Genus	Vol. 5(4): 223-268	Wrocław, 28 XII 1994

Current classification and Family-group names in *Cucujoidea* (*Coleoptera*)

JAMES PAKALUK[1], S. ADAM ŚLIPIŃSKI[2], JOHN F. LAWRENCE[3]

[1]Systematic Entomology Laboratory, USDA, c/o National Museum of Natural History, Smithsonian Institution NHB 168, Washington, DC 20560, USA
[2] Muzeum i Instytut Zoologii PAN, Wilcza 64, 00-679 Warszawa, POLAND
[3] Division of Entomology, CSIRO, P.O. Box 1700, Canberra, ACT 2601, AUSTRALIA

ABSTRACT. A classification of the families, subfamilies, and tribes of *Cucujoidea* is presented. All told 31 families are recognized. A catalogue of family-group names for the superfamily *Cucujoidea* includes 147 valid names, with a total of 300 names used previously for this group. Citations for relevant papers are included; there are 172 entries in the bibliography. Every reference was examined, either as an original publication or photoduplicated copy. For three groups (***Brontinae***, ***Helotidae***, and ***Passandridae***) two different authors proposed the same name in the same year, so authorship is attributed to each.

Changes in family-group names from previous classifications include the following. Three changes are based upon use of an incorrectly formed stem-genus: ***Discolomatidae*** (for *Discolomidae*), ***Loebliorylonínae*** (for *Loebliorylinae*), ***Lycoperdininae*** (for *Lycoperdinae*). There are 11 changes based upon priority. At the family level these are: ***Alexiidae*** (for *Sphaerosomatidae*), ***Brachypteridae*** (for *Cateretidae*), ***Corticariidae*** (for *Lathridiidae*), ***Monotomidae*** (for *Rhizophagidae*), and ***Aspidiphoridae*** (for *Sphindidae*). At the subfamily or tribal level these are grouped by family. For *Coccinellidae*: ***Cynegetini*** (for *Madaini*), ***Halyziini*** (for *Psylloborini*), and ***Scymnillini*** (for *Zilini*); for *Endomychidae*: ***Epipocinae*** (for *Stenotarsinae*), ***Lycoperdininae*** (for *Eumorphinae*), ***Anamorphinae*** (for *Mychotheninae*) and ***Pleganophorinae*** (for *Trochoideinae*). There are three new synonymies: the monotypic family ***Cerasommatidiidae*** is considered a junior synonym of *Eupsilobiinae* (*Endomychidae*); *Earophilidae* are synonymized with *Cucujidae*, while *Idiobiidae* with *Phalacridae*.

While dealing with forgotten names by GISTEL the following taxonomic changes are proposed: *Earophilus* Gistel, 1856 is considered a junior synonym of *Cucujus* FABRICIUS, 1775 (**syn. nov.**), and *Earophilidae* GISTEL, a junior synonym of *Cucujidae* LATREILLE (**syn. nov.**); *Idiobius* GISTEL, 1856 (type species, here designated, *Phalacrus flavicornis* STURM, 1807) is a junior synonym of *Olibrus* ERICHSON, 1845 (**syn. nov.**), and consequently *Idiobiidae* are included within *Phalacridae* (**syn. nov.**), as a potential senior synonym of *Olibrini* GUILLEBEAU, 1894.

Ten names are unavailable since they were proposed without available type genera. These are *Gymnosomides*, *Heterolibrini*, *Heterosterni*, *Olibromorphini*, *Paleomorphidae*, *Paussoideidae*, *Phanerocephalinae*, *Pseudococcinellidae*, *Pseudocorylophidae*, and *Trichosomides*.

Thirteen names are based upon preoccupied type genera. Four of them have previously had replacement names proposed. These are *Clypeastres* (replaced by *Parmulini* POEY), *Lithophilidae* (replaced by *Tetrabrachinae* KAPUR), *Setariini* (replaced by *Setariolinae* CROWSON), and *Tisiphoninae* (replaced by *Smicripidae* HORN). *Peltinini* PAULIAN, 1950 is replaced here by ***Teplinini* nom. nov.** with the type genus ***Teplinus* nom. nov.** as a replacement name for *Peltinus* MULSANT, 1861. A further eight names are not treated as valid taxa, so no replacement names are proposed. These are: *Beccariini*, *Cariaires*, *Clanini*, *Hyliotini*, *Megapalpini*, *Oeneini*, *Pharini*, and *Strongylinae*.

Ten additional names are unavailable for various reasons. These are: *Chnoodiens* MULSANT and *Cryptolaemaires* MULSANT (non subsequently latinized); *Agaricophilinae* LAWRENCE and *Alfieriellinae* CROWSON (nomina nuda); *Engidae* MACLEAY, *Ipsides* LATREILLE and *Mychocerinae* SHARP (based upon misidentified type genus); *Pseudophanini* LECONTE (based on a junior homonym); and *Cateretes* ERICHSON and *Engites* LATREILLE (names based upon genus not considered valid at that time).

General discussions are included about some provisions of the International Code of Zoological Nomenclature, and specific problems are addressed in greater detail. These concern the problems: *Monotomidae* / *Rhizophagidae*; *Cateretidae* / *Brachypteridae*; *Sphindidae* / *Aspidiphoridae* and *Biphyllidae* / *Diphyllidae*.

Key words: Entomology, nomenclature, *Coleoptera*, *Cucujoidea*.

INTRODUCTION

The *Cucujoidea*, first recognized in its modern sense by BÖVING and CRAIGHEAD (1931), is a large and diverse superfamily of *Coleoptera*. There are an estimated 1500 valid genera containing approximately 20,000 valid species. In this paper, we group these taxa into 31 families. The biology of cucujoids is equally diverse. Most species are associated with fungi, decaying vegetation, or rotten wood, while some species are ectoparasites of nestling birds or other beetles, predators of phytophagous arthropods, or herbivores. Many of the families appear to be monophyletic, although the *Cucujoidea* may well be an artificial group. It is not surprising, therefore, that the position of *Cucujoidea* within *Coleoptera*, and the relationships between most of its families, are still unknown.

There have been a number of classifications proposed for the *Cucujoidea* (CROWSON 1955, 1981; LAWRENCE 1982; LAWRENCE and BRITTON 1991; PAULIAN 1988). These were strictly at the family or subfamily level. This is the first attempt to classify *Cucujoidea* at the tribal level. Our ideas, however, are not new, as virtually no changes in some previously proposed classifications are invoked. We have merely assembled previously proposed systems and incorporated them into a complete classification for the superfamily. The only exception is synonymizing the poorly known family *Cerasomatidiidae* with *Eupsilobiinae* (*Endomychidae*). This is explained in greater detail later under discussion item {15}.

Many systematists do not understand correct use of family group names in zoological nomenclature. This has led to tremendous confusion about the correct authorship for names and which names have priority. The purpose of this paper is to clarify these problems. Although we invoke changes in presently accepted names, these changes are based strictly upon correct interpretation of the ICZN (1985). If others are dissatisfied with our conclusions they may petition the Commission by presenting relevant details in their application.

Using correct family group names is more than an intellectual enterprise. It will contribute to nomenclatorial stability. This is especially critical given our dearth of understanding of the phylogenetic relationships within *Cucujoidea*. Since reasonable progress on cucujoid higher-level relationships will most likely depend upon an exemplary approach, we believe this attempt to stabilize use of these family-group names is a significant contribution toward this endeavor.

ACKNOWLEDGMENTS

We are deeply indebted to a number of colleagues for valuable assistance throughout the course of this project. A. F. NEWTON, Jr. helped in numerous ways, including help with some literature, discussions of nomenclature, and commenting upon a draft of this paper. We are especially grateful since he generously shared unpublished data on family-group names for cucujoids, and some of these data were incorporated into this paper. Al has been extremely generous and is an outstanding example of a scientist willing to share results with colleagues to ultimately further our knowledge. We owe him a tremendous debt and thank him for his support. A. CALDER, J. V. MCHUGH, M. MROCZKOWSKI, R. D. POPE, D. R. SMITH, and T. WEIR reviewed this manuscript and offered valuable suggestions. R. D. GORDON and A. JADWISZCZAK reviewed the section on *Coccinellidae* and helped with literature for this family. M. MROCZKOWSKI, R.D. POPE, C. SABROSKY, and F. C. THOMPSON helped with references, names and specific nomenclatorial cases. A number of colleagues at the Smithsonian Institution and the Systematic Entomology Laboratory, USDA helped to determine if there was homonymy of family-group names based upon generic names with the same stem: K. FAUCHALD, T. J. HENRY, R. W. HODGES, S. LARCHER, L. PARENTI, and N. E. WOODLEY helped with this effort. R. E. BOOTH kindly examined the type of *Cerasommatidia arrowi* BRÈTHES to help determine its correct taxonomic placement. We thank our technicians, T. A. CARLOW, S. A. DONAHUE, W. DRESSLER and W. KOSTAŁKOWSKA, who assisted with general library work, photoduplicating, proof reading and indexing the paper. This work would never have been completed without generous assistance of many librarians. We thank the staffs of the Library of Congress (Washington), National Agricultural Library (Beltsville), Biblioteka Instytutu Zoologii of the Polish Academy of Sciences (Warsaw), CSIRO Black Mountain Library (Canberra), and the Entomology, Natural History, and Special Collections Libraries of the Smithsonian Institution (Washington). This work was initiated while one of us (SAŚ) visited Washington with funds provided from the Office of Fellowships and Grants, Smithsonian Institution.

FAMILY-GROUP NAMES AND THE CODE

The general application of the International Code of Zoological Nomenclature (ICZN 1985) rules to the family-group names are thoroughly discussed by NEWTON & THAYER (1992), and these do not need to be repeated here. Below we provide only brief notes to the general and particular cases mentioned in the catalog section.

{1} Principle of Priority (Art. 23)

The correct name of a taxon is the oldest available name based on a genus included in the taxon. In the case of synonymous names of the same date, priority is determined by the first reviser (Art. 24).

{2} Non-latinized names published before 1900 (Art. 11f(iii))

A name published before 1900 and available (Art. 11f) but not latinized, is available with its original author and date, if it has been latinized by later authors, and if it has been generally accepted and attributed to the author of the non-latinized form.

{3} Family-group names proposed after 1930 (Art. 13)

A family-group name published after 1930 to be available, must be accompanied by a description or definition that is purported to differentiate the taxon, or a bibliographic reference to such a published statement. For a name published before 1931, no description or definition is required.

{4} Family-group names based on junior synonym (Art. 40)

a) If a family-group name was replaced before 1961 because of such synonymy, and the replacement name (based on the senior synonym) became generally accepted, the name is to be maintained. If author and date of such a name are cited, the name should be cited with its own author and date, followed by the date of the replacement name in parentheses (Recommendation 40A).

b) A family-group name based on a genus recognized as a junior synonym after 1960 is not to be replaced, so synonymy of the type genus has no effect on the family-group name based on it.

{5} Names based on unjustified emendations of type genus

A family-group name based upon an unjustified emendation of a generic name is an unjustified original spelling and must be corrected (Art. 35(d)(ii)). It can only be used as a replacement name in an accordance with Art. 39.

Any demonstrably intentional change in the original spelling of a name other than a mandatory change is an "emendation" (Art. 33(b).

A justified emendation is the correction of an incorrect original spelling in accordance with Art. 32(d), and the name thus corrected takes the author and date of

the original spelling. Any other emenedation is an unjustified emendation and the emended name is available with its own author and date, and it is a junior objective synonym of the name as originally spelled (Art. 19(a), 33(b)(iii).

{6} Names based on misidentified type genus

A family-group name based on a misidentified type genus is invalid, because the misidentified type genus is not a valid genus name (Art.11f(i)). Cases that might affect the stability of names should be referred to the Commission for a ruling (Art.41).

{7} Names based on preoccupied type genus

A family-group name based on a junior homonym is invalid and must be replaced (Art. 39).

{8} *CRYPTOPHAGIDAE / KRYPTOPHAGIDAE*

Although the original spelling of the type genus is *Kryptophagus* (and the family-group name *Kryptophagidae*), an application has been made to the ICZN by H. SILFVERBERG (1994b) (Case 2783) to conserve the spelling *Cryptophagus*, and the family group name *Cryptophagidae* (A. F. NEWTON, unpublished data). Until the Commission rules on this pending application we continue to follow existing usage (Art. 80(a)).

{9} *CORTICARIIDAE / LATHRIDIIDAE / LATRIDIIDAE*

Corticariidae of CURTIS (1829) has priority over *Latridiidae* ERICHSON (1842), and has been used as a subfamily within *Latridiidae*. Although *Lathridiidae* has been almost universally used as the family name, the original spelling of the type genus is *Latridius*, and the family group-name *Latridiidae* has been used by SILFVERBERG (1992).

{10} *MONOTOMIDAE / RHIZOPHAGIDAE*

Monotomidae of LAPORTE (1840) has priority over *Rhizophagidae* of REDTENBACHER (1845). Both family-group names have been used in the past as independent taxa and are equally known. The original spelling of the type genus of *Rhizophagidae* is *Ryzophagus*, and the family name *Rhyzophagidae* was used by ŘIHA (1989). An application to the ICZN to conserve the spelling *Rhizophagus* has been submitted by H. SILFVERBERG (Case 2783) (SILFVERBERG 1994b). Until the Commission rules on this pending application we continue to follow existing usage (Art. 80(a)).

{11} *CATERETIDAE / KATERETIDAE / BRACHYPTERINAE*

ERICHSON'S (1843) "Cateretes" is the oldest name cited for this group, but only two genera were recognized, *Cercus* and *Brachypterus*. Since he did not recognize the genus *Cateretes* (an unjustified emendation of *Kateretes*) as a valid

genus, this family-group name is unavailable (Art. 11f(i)1). ERICHSON (1845) subsequently replaced the name "Cateretes" with "Brachypterinae" for the same group. GANGLBAUER (1899) established the *Cateretini*, which included *Cateretes*, but *Brachypteridae* ERICHSON has priority. Some authors continue to use *Kateretidae* basing the family-group name on HERBST's original spelling.

{12} *PELTININI*

The family-group name *Peltinini* PAULIAN (1950) is based on a secondary homonym, *Peltinus* MULSANT, 1861 (nec. *Peltinus* RAFINESQUE, 1815), and must be replaced. The following replacement names are proposed here: *Teplinus* **nom. nov.** for *Peltinus* MULSANT, and *Teplinini* **nom. nov.** for *Peltinini* PAULIAN.

{13} *SPHINDIDAE / ASPIDIPHORIDAE / CONIPORIDAE*

There is some ambiguity concerning the dates of publication for parts of JACQUELIN DU VAL's Manuel Entomologique. The section containing *Sphindidae* has been dated as 1860 (SILFVERBERG 1992) or 1861 (BURAKOWSKI, MROCZKOWSKI & STEFAŃSKA 1986). The former date is accepted here, and it was confirmed by R.D. POPE by checking annotations on the original wrappers in the Library of the Natural History Museum in London. Regardless of which date is accepted, the oldest name for the family is *Coniporidae* THOMSON (1859). *Coniporus* was later synonymized under *Aspidiphorus* and the family-group name replaced with *Aspidiphoridae* KIESENWETTER (1877). According to Art. 40b this name can be retained as *Aspidiphoridae* KIESENWETTER 1877 (1859), which has priority over *Sphindidae*, and this procedure is proposed here. The original spelling of *Aspidiphorus* is *Arpidiphorus*, which is sometimes regarded as an incorrect original spelling. An application to the ICZN to conserve the well-known names *Aspidiphoridae* and *Aspidiphorus* is being submitted by J. MCHUGH (in litt. to J. PAKALUK).

{14} *BIPHYLLIDAE / DIPHYLLIDAE*

We follow the conclusions of LAWRENCE and NEWTON (in prep.) who summarize this problem thus: "SILFVERBERG (1992) cited "SHARP 1900 (1861)" for the family name, evidently referring to *Biphyllidae* SHARP (1900b: 604) and assuming that *Biphyllus* DEJEAN, 1821 and *Diphyllus* BERTHOLD, 1827 (on which LECONTE, 1861 based his family-group name) are independent names. Following NEAVE (1939-40) we consider *Diphyllus* to be an unjustified emendation of *Biphyllus*. LECONTE is therefore the author of the family-group name, not SHARP."

{15} *CERASOMMATIDIIDAE*

BRÈTHES (1925) proposed the family *Cerasommatidiidae* for a new genus *Cerasommatidia*, apparently related to *Coccinellidae* and *Endomychidae* but possessing a suite of attributes excluding it from either family. Based on the description and illustrations, the body shape, fronto-clypeal suture, eyes, antennae and maxillary palps of *Cerasommatidia arrowi* BRÈTHES resemble those of species of *Ibicarella*

PAKALUK and ŚLIPIŃSKI (1990), a genus belonging to the endomychid subfamily *Eupsilobiinae*. An examination of the holotype of *C. arrowi* by R. G. BOOTH (The Natural History Museum, London) confirmed the placement of this genus in *Eupsilobiinae* and near *Ibicarella*.

{16} *EAROPHILIDAE* and *IDIOBIIDAE*

Among several family-group names proposed for *Cucujoidea* by GISTEL (1856), there are two that have to be discussed separately:

Earophilidae - established for a new genus *Earophilus* with a single species (type species, by monotypy) *E. sanguinolentus* LINN. (= *Cucujus sanguinolentus* LINN., and junior synonym of *C. cinnaberinus* SCOPOLI). Because of the present status of the type species we consider *Earophilus* GISTEL, 1856: 375 a junior synonym of *Cucujus* FABRICIUS (**syn. nov.**), and *Earophilidae* a junior synonym of *Cucujidae* (**syn. nov.**).

Idiobiidae - included a new genus *Idiobius* with two species, one of them, *Phalacrus flavicornis* STURM, is here designated as the type species. Because the type species is currently classified within the phalacrid genus *Olibrus*, we consider *Idiobius* GISTEL, 1856: 383, a junior synonym of *Olibrus* ERICHSON, 1845 (**syn. nov.**), and consequently *Idiobiidae* are included within *Phalacridae* (**syn. nov.**), as a potential senior synonym of *Olibrini* GUILLEBEAU, 1894.

CURRENT CLASSIFICATION OF *CUCUJOIDEA*

The family concepts and in most cases the arrangement of taxa used in this paper are based on the following references: *Protocucujidae* (CROWSON 1954), *Aspidiphoridae* (MCHUGH 1993), *Brachypteridae* and *Nitidulidae* (KIREJTSHUK 1982, 1986a, 1986b), *Smicripidae* (CROWSON 1952), *Monotomidae* (PAKALUK and ŚLIPIŃSKI 1993), *Boganiidae* (ENDRÖDY-YOUNGA and CROWSON 1986), *Helotidae* (CROWSON 1952), *Phloeostichidae* (LAWRENCE and BRITTON 1991), *Silvanidae* (THOMAS 1984), *Passandridae* (CROWSON 1952), *Cucujidae* and *Laemophloeidae* (LAWRENCE and BRITTON 1991), *Propalticidae* (CROWSON 1952), *Phalacridae* (LAWRENCE 1982, PAKALUK 1991), *Hobartiidae* (LAWRENCE and BRITTON 1991), *Cavognathidae* (SEN GUPTA and CROWSON 1969a), *Cryptophagidae* (CROWSON 1980), *Lamingtoniidae* (SEN GUPTA and CROWSON 1969b), *Languriidae* (SEN GUPTA and CROWSON 1971), *Erotylidae* (SEN GUPTA 1969; CHÛJÔ 1969, CHÛJÔ and CHÛJÔ 1989), *Byturidae* (SPRINGER and GOODRICH 1994), *Biphyllidae* (CROWSON 1952), *Bothrideridae* (ŚLIPIŃSKI and PAL 1985, PAL and LAWRENCE 1986), *Cerylonidae* (ŚLIPIŃSKI 1990), *Alexiidae* (LAWRENCE 1982), *Discolomatidae* (JOHN 1959), *Endomychidae* (LAWRENCE 1991, PAKALUK and ŚLIPIŃSKI 1990, ŚLIPIŃSKI and PAKALUK 1992), *Coccinellidae* (CHAZEAU, FÜRSCH and SASAJI 1989), *Corylophidae* (PAULIAN 1950), *Corticariidae* (CROWSON 1952).

SYNOPSIS OF CURRENT CLASSIFICATION OF *CUCUJOIDEA*

PROTOCUCUJIDAE Crowson, 1954

ASPIDIPHORIDAE Kiesenwetter, 1877 (1859) (=*Sphindidae*)
- *PROTOSPHINDINAE* Sen Gupta & Crowson, 1979
- *ODONTOSPHINDINAE* Sen Gupta & Crowson, 1979
- *SPHINDIPHORINAE* Sen Gupta & Crowson, 1979
- *ASPIDIPHORINAE* Kiesenwetter, 1877 (1859)

BRACHYPTERIDAE Erichson, 1845 (=*Cateretidae*)

NITIDULIDAE Latreille, 1802
- *CALONECRINAE* Kirejtshuk, 1982
- *CARPOPHILINAE* Erichson, 1842
  - *AMPHICROSSINI* Kirejtshuk, 1986
  - *CARPOPHILINI* Erichson, 1842
  - *EPURAEINI* Kirejtshuk, 1986
- *MELIGETHINAE* Thomson, 1859
- *NITIDULINAE* Latreille, 1802
  - *CYCHRAMPTODINI* Kirejtshuk & Lawrence, 1992
  - *LAWRENCEROSINI* Kirejtshuk, 1990
  - *NITIDULINI* Latreille, 1802
- *CILLAEINAE* Kirejtshuk & Audisio in Kirejtshuk, 1986
- *CRYPTARCHINAE* Thomson, 1859
  - *ARHININI* Kirejtshuk, 1987
  - *CRYPTARCHINI* Thomson, 1859
  - *EUCALOSPHAERINI* Kirejtshuk, 1987
- *CYBOCEPHALINAE* Jacquelin du Val, 1858

SMICRIPIDAE Horn, 1879

MONOTOMIDAE Laporte, 1840 (=*Rhizophagidae*)
- *RHIZOPHAGINAE* Redtenbacher, 1845
- *MONOTOMINAE* Laporte, 1840
  - *MONOTOMINI* Laporte, 1840
  - *EUROPINI* Sen Gupta, 1988
- *THIONINAE* Crowson, 1952
- *LENACINAE* Crowson, 1952

BOGANIIDAE Sen Gupta & Crowson, 1966
- *BOGANIINAE* Sen Gupta & Crowson, 1966
- *PARACUCUJINAE* Endrödy-Younga & Crowson, 1986

HELOTIDAE Chapuis, 1876/Reitter, 1876

PHLOEOSTICHIDAE Reitter, 1911
- *AGAPYTHINAE* Sen Gupta & Crowson, 1969
- *HYMAEINAE* Sen Gupta & Crowson, 1966
- *MYRABOLIINAE* Lawrence & Britton, 1991
- *PHLOEOSTICHINAE* Reitter, 1911
- *PRIASILPHINAE* Crowson, 1973
- *TASMOSALPINGINAE* Lawrence & Britton, 1991

SILVANIDAE Kirby, 1837
- *BRONTINAE* Blanchard, 1845/Erichson, 1845
- *SILVANINAE* Kirby, 1837

PASSANDRIDAE Blanchard, 1845/Erichson, 1845

CUCUJIDAE Latreille, 1802

LAEMOPHLOEIDAE Ganglbauer, 1899

PROPALTICIDAE Crowson, 1952

PHALACRIDAE Leach, 1815
- *PHAENOCEPHALINAE* Matthews, 1899
- *PHALACRINAE* Leach, 1815

HOBARTIIDAE Sen Gupta & Crowson, 1966

CAVOGNATHIDAE Sen Gupta & Crowson, 1966

CRYPTOPHAGIDAE Kirby, 1837
- *HYPOCOPRINAE* Reitter, 1880
- *CRYPTOPHAGINAE* Kirby, 1837
  - *CAENOSCELINI* Casey, 1900
  - *CRYPTOPHAGINI* Kirby, 1837
  - *CRYPTOSOMATULINI* Crowson, 1980
  - *PICROTINI* Crowson, 1980
- *ATOMARIINAE* LeConte, 1861
  - *ATOMARIINI* LeConte, 1861
  - *SALLTIINI* Crowson, 1980

LAMINGTONIIDAE Sen Gupta & Crowson, 1969

LANGURIIDAE Crotch, 1873
- *XENOSCELINAE* Ganglbauer, 1899
  - *XENOSCELINI* Ganglbauer, 1899
  - *LOBERINI* Bruce, 1951
  - *LOBERONOTHINI* Sen Gupta & Crowson, 1969
- *LANGURIINAE* Crotch, 1873
  - *LANGURIINI* Crotch, 1873
  - *THALLISELLINI* Sen Gupta, 1968
  - *CLADOXENINI* Arrow, 1925
- *SETARIOLINAE* Crowson, 1952
- *TORAMINAE* Sen Gupta, 1967
- *CRYPTOPHILINAE* Casey, 1900
  - *CRYPTOPHILINI* Casey, 1900
  - *XENOSCELININI* Sen Gupta & Crowson, 1971

EROTYLIDAE Latreille, 1802
- *DACNINAE* Gistel, 1856
- *MEGALODACNINAE* Sen Gupta, 1969
- *ENCAUSTINAE* Crotch, 1876/Chapuis, 1876
- *TRITOMINAE* Curtis, 1834
- *EROTYLINAE* Latreille, 1802

BYTURIDAE Jacquelin du Val, 1858

BIPHYLLIDAE LeConte, 1861

BOTHRIDERIDAE Erichson, 1845
- *ANOMMATINAE* Ganglbauer, 1899
- *XYLARIOPHILINAE* Pal & Lawrence, 1986
- *TEREDINAE* Seidlitz, 1888
  - *SOSYLOPSINI* Dajoz, 1980
  - *SYSOLINI* Ślipiński & Pal, 1985
  - *TEREDINI* Seidlitz, 1888
- *BOTHRIDERINAE* Erichson, 1845
- *DERETAPHRINAE* Horn, 1878

CERYLONIDAE Billberg, 1820
- *EUXESTINAE* Grouvelle, 1908
- *LOEBLIORYLONINAE* Ślipiński, 1990
- *MURMIDIINAE* Jacquelin du Val, 1858
- *OSTOMOPSINAE* Sen Gupta & Crowson, 1973
- *CERYLONINAE* Billberg, 1820

ALEXIIDAE Imhoff, 1856 (=*Sphaerosomatidae*)

DISCOLOMATIDAE Horn, 1878 (=*Discolomidae*)
- *NOTIOPHYGINAE* Jakobson, 1915
  - *NOTIOPHYGINI* Jakobson, 1915
  - *PACHYPLACINI* John, 1954
  - *DYSTHEAMONINI* John, 1954
- *DISCOLOMATINAE* Horn, 1878
- *APHANOCEPHALINAE* Grouvelle, 1912
- *CEPHALOPHANINAE* John, 1954
- *PONDONATINAE* John, 1959

ENDOMYCHIDAE Leach, 1815
- *HOLOPARAMECINAE* Seidlitz, 1888
- *MEROPHYSIINAE* Seidlitz, 1872
- *LEIESTINAE* Thomson, 1863
- *EUPSILOBIINAE* Casey, 1895
- *ENDOMYCHINAE* Leach, 1815
- *EPIPOCINAE* Gorham, 1873
- *LYCOPERDININAE* Redtenbacher, 1844
- *MYCETAEINAE* Jacquelin du Val, 1857
- *ANAMORPHINAE* Strohecker, 1953
- *PLEGANOPHORINAE* Jacquelin du Val, 1858
- *XENOMYCETINAE* Strohecker, 1962

COCCINELLIDAE Latreille, 1807
- *COCCIDULINAE* Mulsant, 1846
  - *TETRABRACHINI* Kapur, 1948
  - *COCCIDULINI* Mulsant, 1846
  - *SUMNIINI* Hoang, 1982
  - *EXOPLECTRINI* Crotch, 1874
  - *MONOCORYNINI* Miyatake, 1988
  - *NOVIINI* Mulsant, 1850
  - *ORYSSOMINI* Gordon, 1974
  - *AZYINI* Mulsant, 1850
- *SCYMNINAE* Mulsant, 1846
  - *STETHORINI* Dobzhansky, 1924
  - *SCYMNINI* Mulsant, 1846
  - *SCYMNILLINI* Casey, 1899
  - *SELVADIINI* Gordon, 1985
  - *CRANOPHORINI* Mulsant, 1850
  - *HYPERASPINI* Mulsant, 1846
  - *BRACHIACANTHINI* Mulsant, 1850

ORTALIINI Mulsant, 1850
CRYPTOGNATHINI Mulsant, 1850
CHILOCORINAE Mulsant, 1846
TELSIMIINI Casey, 1899
PLATYNASPINI Mulsant, 1846
CHILOCORINI Mulsant, 1846
ASPIDIMERINI Mulsant, 1850
STICHOLOTIDINAE Weise, 1901
CARINODULINI Gordon, Pakaluk & Ślipiński, 1989
CEPHALOSCYMNINI Gordon, 1985
MICROWEISEINI Leng, 1920
SERANGIINI Pope, 1962
SHIROZUELLINI Sasaji, 1967
STICHOLOTIDINI Weise, 1901
SUKUNAHIKONINI Kamiya, 1960
COCCINELLINAE Latreille, 1807
HALYZIINI Mulsant, 1846
BULAEINI Savoiskaja, 1969
COCCINELLINI Latreille, 1807
DISCOTOMINI Mulsant, 1850
SINGHIKALIINI Miyatake, 1972
EPILACHNINAE Mulsant, 1846
EPILACHNINI Mulsant, 1846
EPIVERTINI Pang & Mao, 1979
CYNEGETINI Thomson, 1866
EREMOCHILINI Gordon & Vandenberg, 1987

CORYLOPHIDAE LeConte, 1852
PELTINODINAE Paulian, 1950
CORYLOPHINAE LeConte, 1852
CORYLOPHODINI Paulian, 1950
TEPLININI **nom. nov.**
CORYLOPHINI LeConte, 1852
ORTHOPERINI Jacquelin du Val, 1857
RYPOBIINI Paulian, 1950
SERICODERINAE Matthews, 1888
PARMULINAE Poey, 1854

CORTICARIIDAE Curtis, 1829 (=*Lathridiidae*)
CORTICARIINAE Curtis, 1829
LATRIDIINAE Erichson, 1842

CATALOGUE

PROTOCUCUJIDAE

Protocucujidae CROWSON, 1952: 115. COMMENT: unavailable name, not based on an existing genus name, see discussion {3}.

Protocucujidae CROWSON, 1954: 60. TYPE GENUS: *Protocucujus* CROWSON, 1954.

ASPIDIPHORIDAE

PROTOSPHINDINAE SEN GUPTA & CROWSON, 1979

Protosphindinae SEN GUPTA & CROWSON, 1979: 179. TYPE GENUS: *Protosphindus* SEN GUPTA & CROWSON, 1979.

ODONTOSPHINDINAE SEN GUPTA & CROWSON, 1979

Odontosphindini SEN GUPTA & CROWSON, 1979: 180. TYPE GENUS: *Odontosphindus* LECONTE, 1878.

SPHINDIPHORINAE SEN GUPTA & CROWSON, 1979

Sphindiphorini SEN GUPTA & CROWSON, 1979: 180. TYPE GENUS: *Sphindiphorus* SEN GUPTA & CROWSON, 1979.

ASPIDIPHORINAE KIESENWETTER, 1877 (1859)

Coniporina THOMSON, 1859: 90. TYPE GENUS: *Coniporus* THOMSON, 1859. COMMENTS: oldest available name for the group; see discussion {13}.

Sphindidae JACQUELIN DU VAL, 1860: 224. TYPE GENUS: *Sphindus* DEJEAN, 1821.

Aspidiphoridae KIESENWETTER, 1877: 198. TYPE GENUS: *Aspidiphorus* DEJEAN, 1821 (orig. spelled *Arpidiphorus*, lapsus?).

Eurysphindinae SEN GUPTA & CROWSON, 1979: 183. TYPE GENUS: *Eurysphindus* LECONTE, 1878.

BRACHYPTERIDAE

Cateretes ERICHSON, 1843: 226. TYPE GENUS: *Cateretes* ILLIGER, 1798 (unjustified emendation of *Kateretes* HERBST, 1793). COMMENTS: unavailable name, based on unjustified emendation of type genus and on type genus not recognized as valid at the time, see discussion {11}.

Brachypterinae ERICHSON, 1845: 125. TYPE GENUS: *Brachypterus* KUGELANN, 1794.

Cercidae CHENU & DESMAREST, 1851: 270. TYPE GENUS: *Cercus* LATREILLE, 1796.

Cateretini GANGLBAUER, 1899: 447. TYPE GENUS: *Kateretes* HERBST, 1793 (as *Cateretes*).

NITIDULIDAE

CALONECRINAE KIREJTSHUK, 1982

Calonecrinae KIREJTSHUK, 1982: 117. TYPE GENUS: *Calonecrus* THOMSON, 1857.

CARPOPHILINAE ERICHSON, 1842

Carpophilinae ERICHSON, 1842a: 148. TYPE GENUS: *Carpophilus* STEPHENS, 1829.

CARPOPHILINI ERICHSON, 1842

AMPHICROSSINI KIREJTSHUK, 1986

Amphicrossini KIREJTSHUK, 1986a: 28. TYPE GENUS: *Amphicrossus* ERICHSON, 1843.

EPURAEINI KIREJTSHUK, 1986

Epuraeini KIREJTSHUK, 1986a: 27. TYPE GENUS: *Epuraea* ERICHSON, 1843.

MELIGETHINAE THOMSON, 1859

Meligethina THOMSON, 1859: 67. TYPE GENUS: *Meligethes* STEPHENS, 1829.

NITIDULINAE LATREILLE, 1802

Nitidulariae LATREILLE, 1802: 131. TYPE GENUS: *Nitidula* FABRICIUS, 1775.

Strongylinae ERICHSON, 1845: 123. TYPE GENUS: *Strongylus* HERBST, 1792 nec O.F.MÜLLER, 1780. COMMENTS: unavailable name, based on preoccupied type genus.

Cychramides LACORDAIRE, 1854: 291. TYPE GENUS: *Cychramus* KUGELANN, 1794.

Thalycrina THOMSON, 1859: 68. TYPE GENUS: *Thalycra* ERICHSON, 1843.

Pocadiini SEIDLITZ, 1872: 32. TYPE GENUS: *Pocadius* ERICHSON, 1843.

Cyllodini EVERTS, 1898: 469. TYPE GENUS: *Cyllodes* ERICHSON, 1843.

Prometopinae BÖVING & CRAIGHEAD, 1931: 37. TYPE GENUS: *Prometopia* ERICHSON, 1843.

Orvoenini [sic] DAJOZ, 1980a: 191. TYPE GENUS: *Orvoenia* DAJOZ, 1980.

CYCHRAMPTODINI KIREJTSHUK & LAWRENCE, 1992

Cychramptodini KIREJTSHUK & LAWRENCE, 1992: 30. TYPE GENUS: *Cychramptodes* REITTER, 1878.

NITIDULINI LATREILLE, 1802

LAWRENCEROSINI KIREJTSHUK, 1990

Lawrencerosini KIREJTSHUK, 1990: 863. TYPE GENUS: *Lawrencerosus* KIREJTSHUK, 1990.

CILLAEINAE KIREJTSHUK & AUDISIO in KIREJTSHUK, 1986

Cillaeinae KIREJTSHUK & AUDISIO in KIREJTSHUK, 1986b: 219. TYPE GENUS: *Cillaeus* LAPORTE, 1835.

CRYPTARCHINAE THOMSON, 1859

Ipsides LATREILLE, 1807a: 19. TYPE GENUS: *Ips* sensu OLIVIER 1790 (nec *Ips* DE Geer, 1775). COMMENTS: unavailable name, based on misidentified type genus, comment {6}.

Cryptarchina THOMSON, 1859: 69. TYPE GENUS: *Cryptarcha* SHUCKARD, 1839.

Pityophagini FAUCONET, 1894: 27. TYPE GENUS: *Pityophagus* SHUCKARD, 1839.

Glischrochilini YABLOKOFF-KHNZORIAN, 1966: 314. TYPE GENUS: *Glischrochilus* REITTER, 1873.

ARHININI KIREJTSHUK, 1987

Arhinini KIREJTSHUK, 1987: 63. TYPE GENUS: *Arhina* MURRAY, 1876.

CRYPTARCHINI THOMSON, 1859

EUCALOSPHAERINI KIREJTSHUK, 1987

Eucalosphaerini KIREJTSHUK, 1987: 80. TYPE GENUS: *Eucalosphaera* JELINEK, 1978.

CYBOCEPHALINAE JACQUELIN DU VAL, 1858

Cybocéphalites JACQUELIN DU VAl, 1858: 151. TYPE GENUS: *Cybocephalus* ERICHSON, 1844.

SMICRIPIDAE

Smicripini HORN, 1879: 268. TYPE GENUS: *Smicrips* LECONTE, 1878.

Tisiphoninae Sharp, 1900a: 578. TYPE GENUS: *Tisiphone* REITTER, 1876 nec HÜBNER, 1816. COMMENTS: unavailable name, based on preoccupied type genus, see discussion {7}.

MONOTOMIDAE

RHIZOPHAGINAE REDTENBACHER, 1845

Rhizophagi REDTENBACHER, 1845: 56. type genus: *Rhizophagus* HERBST, 1793 emend. (*Rhyzophagus*). COMMENTS: incorrect original spelling; family-group name based on unjustified emendation of type genus; see discussion {10}.

MONOTOMINAE LAPORTE, 1840

Monotomides LAPORTE, 1840: 377. TYPE GENUS: *Monotoma* HERBST, 1793.

MONOTOMINI LAPORTE, 1840

EUROPINI SEN GUPTA, 1988

Europini SEN GUPTA, 1988: 23. TYPE GENUS: *Europs* WOLLASTON, 1854.

THIONINAE CROWSON, 1952

Thioninae CROWSON, 1952: 121. TYPE GENUS: *Thione* SHARP, 1899.

LENACINAE CROWSON, 1952

Lenacinae CROWSON, 1952: 121. TYPE GENUS: *Lenax* SHARP, 1877.

BOGANIIDAE

BOGANIINAE SEN GUPTA & CROWSON, 1966

Boganiidae SEN GUPTA & CROWSON, 1966: 63. TYPE GENUS: *Boganium* SEN GUPTA & CROWSON, 1966.

PARACUCUJINAE ENDRÖDY-YOUNGA & CROWSON, 1986

Paracucujinae ENDRÖDY-YOUNGA & CROWSON, 1986: 255. TYPE GENUS: *Paracucujus* SEN GUPTA & CROWSON, 1966.

Athertoniini CROWSON, 1990: 91. TYPE GENUS: *Athertonium* CROWSON, 1990.

HELOTIDAE

Hélotides CHAPUIS, 1876: 11. TYPE GENUS: *Helota* MACLEAY, 1825.

Helotidae REITTER, 1876: 5. TYPE GENUS: *Helota* MACLEAY, 1825.

PHLOEOSTICHIDAE

PHLOEOSTICHINAE REITTER, 1911

Phloeostichini REITTER, 1911: 44. TYPE GENUS: *Phloeostichus* W. REDTENBACHER, 1842.

AGAPYTHINAE SEN GUPTA & CROWSON, 1969

Agapythini SEN GUPTA & CROWSON, 1969a: 583. TYPE GENUS: *Agapytho* BROUN, 1921.

HYMAEINAE SEN GUPTA & CROWSON, 1966

Hymaeinae SEN GUPTA & CROWSON, 1966: 77. TYPE GENUS: *Hymaea* PASCOE, 1869.

MYRABOLIINAE LAWRENCE & BRITTON, 1991

Myraboliinae LAWRENCE & BRITTON, 1991: 650. TYPE GENUS: *Myrabolia* REITTER, 1876.

PRIASILPHINAE CROWSON, 1973

Priasilphinae CROWSON, 1973: 56. TYPE GENUS: *Priasilpha* BROUN, 1893.

TASMOSALPINGINAE LAWRENCE & BRITTON, 1991

Tasmosalpinginae LAWRENCE & BRITTON, 1991: 651. TYPE GENUS: *Tasmosalpingus* LEA, 1918.

SILVANIDAE

SILVANINAE KIRBY, 1837

Sylvanidae [sic] KIRBY, 1837: vii. TYPE GENUS: *Silvanus* LATREILLE, 1804.
Silvanites BLANCHARD, 1845a: 323. TYPE GENUS: *Silvanus* LATREILLE, 1804.

BRONTINAE BLANCHARD, 1845/ERICHSON, 1845

Brontini ERICHSON, 1845: 304. TYPE GENUS: *Brontes* FABRICIUS, 1801.
Brontites BLANCHARD, 1845b: 134. TYPE GENUS: *Brontes* FABRICIUS, 1801.
Dendrophagidae GISTEL, 1856: 375. TYPE GENUS: *Dendrophagus* SCHOENHERR, 1809.
Uleiotadae GISTEL, 1856: 382. TYPE GENUS: *Uleiota* LATREILLE, 1796.
Pseudophanini LECONTE, 1861: 96. TYPE GENUS: *Pseudophanus* LECONTE, 1859. COMMENT: unavailable name based on junior homonym (non Pseudophanides AMYOT & SERVILLE, 1843, *Hemiptera*), discussion {7}.
Telephanidae LECONTE, 1861: 94. TYPE GENUS: *Telephanus* ERICHSON, 1845.
Uleiotini STEIN & WEISE, 1877: 71. TYPE GENUS: *Uleiota* LATREILLE, 1796.
Hyliotini REITTER, 1880: 74. TYPE GENUS: *Hyliota* REITTER, 1880 (nec *Hyliota* SWAINSON, 1827). COMMENT: unavailable name based on junior homonym.
Psammoecini REITTER, 1880: 74. TYPE GENUS: *Psammoecus* LATREILLE, 1829.
Cryptamorphini CASEY, 1884: 102. TYPE GENUS: *Cryptamorpha* WOLLASTON, 1854.

PASSANDRIDAE

Passandrini ERICHSON, 1845: 304. TYPE GENUS: *Passandra* DALMAN, 1817.
Passandrites BLANCHARD, 1845b: 134. TYPE GENUS: *Passandra* DALMAN, 1817.
Ancistriinae SHARP, 1899: 541. TYPE GENUS: *Ancistria* ERICHSON, 1845.
Catogenini GROUVELLE, 1916: 6. TYPE GENUS: *Catogenus* WESTWOOD, 1830.
Passandrellini GROUVELLE, 1916: 6. TYPE GENUS: *Passandrella* GROUVELLE, 1916.
Scalidiini GROUVELLE, 1916: 6. TYPE GENUS: *Scalidia* ERICHSON, 1845.
Laemotmetini KESSEL, 1921: 35. TYPE GENUS: *Laemotmetus* GERSTAECKER, 1871.

CUCUJIDAE

Cucujipes LATREILLE, 1802: 210. TYPE GENUS: *Cucujus* FABRICIUS, 1775.
Earophilidae GISTEL, 1856: 375. TYPE GENUS: *Earophilus* GISTEL, 1856. COMMENT: see discussion {16}.

LAEMOPHLOEIDAE

Laemophloeini GANGLBAUER, 1899: 592. TYPE GENUS: *Laemophloeus* DEJEAN, 1835.
Nartheciinae GROUVELLE, 1908: 453. TYPE GENUS: *Narthecius* LECONTE, 1861.

PROPALTICIDAE

Propalticidae Crowson, 1952: 117. type genus: *Propalticus* Sharp, 1879.

PHALACRIDAE

PHAENOCEPHALINAE Matthews, 1899

Phaenocephalidae Matthews, 1899: 205. type genus: *Phaenocephalus* Wollaston, 1873.

PHALACRINAE Leach, 1815

Phalacrurida Leach, 1815: 116. type genus: *Phalacrus* Paykull, 1800.

Idiobiidae Gistel, 1856: 386. type genus: *Idiobius* Gistel, 1856. comment: see discussion {16}.

Biophytini Guillebeau, 1894: 276. type genus: *Biophytus* Guillebeau, 1894.

Eustilbini Guillebeau, 1894: 277. type genus: *Eustilbus* Sharp, 1888.

Heterolibrini Guillebeau, 1894: 277. comment: unavailable name, not based on genus.

Heterosterni Guillebeau, 1894: 277. comment: unavailable name, not based on genus.

Megapalpini Guillebeau, 1894: 278. type genus: *Megapalpus* Guillebeau, 1893 (nec *Megapalpus* Macquart, 1834). comment: unavailable name, based on junior homonym; *Megapalpus* was replaced by *Megistopalpus* Guillebeau, 1895.

Ochrolitini Guillebeau, 1894: 278. type genus: *Ochrolitus* Sharp, 1889.

Olibromorphini Guillebeau, 1894: 277. comment: unavailable name, not based on genus.

Olibrini Guillebeau, 1894: 277. type genus: *Olibrus* Erichson, 1845.

Tolyphini Guillebeau, 1894: 277. type genus: *Tolyphus* Erichson, 1845.

Stilbini Jakobson, 1915: 948. type genus: *Stilbus* Seidlitz, 1872.

HOBARTIIDAE

Hobartiini Sen Gupta & Crowson, 1966: 71. type genus: *Hobartius* Sen Gupta & Crowson, 1966.

CAVOGNATHIDAE

Cavognathinae Sen Gupta & Crowson, 1966: 66. type genus: *Cavognatha* Crowson, 1964.

CRYPTOPHAGIDAE

HYPOCOPRINAE REITTER, 1880

Hypocoprini REITTER, 1880: 74. TYPE GENUS: *Hypocoprus* MOTSCHULSKY, 1839.

CRYPTOPHAGINAE KIRBY, 1837

Cryptophagidae KIRBY, 1837: vii. TYPE GENUS: *Kryptophagus* HERBST, 1792. COMMENT: name based on unjustified emendation of the genus name, see discussion {8}.

Telmatophilides JACQUELIN DU VAL, 1858: 209. TYPE GENUS: *Telmatophilus* HEER, 1841.

Antherophagi LECONTE, 1861: 98. TYPE GENUS: *Antherophagus* DEJEAN, 1821.

Catopochrotidae REITTER, 1889: 289. TYPE GENUS: *Catopochrotus* REITTER, 1889.

Emphyli CASEY, 1900: 86. TYPE GENUS: *Emphylus* ERICHSON, 1846.

Paramecosomina REITTER, 1875b:4. TYPE GENUS: *Paramecosoma* CURTIS, 1833.

Spaniophaeni CASEY, 1900: 86. TYPE GENUS: *Spaniophaenus* REITTER, 1875.

Alfieriellinae CROWSON, 1980: 282. TYPE GENUS: *Alfieriella* WITTMER, 1935. COMMENT: unavailable name; proposed conditionally without description.

CAENOSCELINI CASEY, 1900

Caenoscelini CASEY, 1900: 103. TYPE GENUS: *Caenoscelis* THOMSON, 1863.

Sternodeini CASEY, 1900: 103. TYPE GENUS: *Sternodea* REITTER, 1875.

CRYPTOPHAGINI KIRBY, 1837

CRYPTOSOMATULINI CROWSON, 1980

Cryptosomatulini CROWSON, 1980: 284. TYPE GENUS: *Cryptosomatula* BRUCE, 1940.

PICROTINI CROWSON, 1980

Picrotini CROWSON, 1980: 282. TYPE GENUS: *Picrotus* SHARP, 1886.

ATOMARIINAE LECONTE, 1861

Atomariini LECONTE, 1861: 97. TYPE GENUS: *Atomaria* STEPHENS, 1829.

Ephistemini CASEY, 1900: 104. TYPE GENUS: *Ephistemus* STEPHENS, 1829.

ATOMARIINI LECONTE, 1861

SALLTIINI CROWSON, 1980

Sallтiini CROWSON, 1980: 284. TYPE GENUS: *Salltius* BROUN, 1893.

LAMINGTONIIDAE

Lamingtoniidae SEN GUPTA & CROWSON, 1969b: 125. TYPE GENUS: *Lamingtonium* SEN GUPTA & CROWSON, 1969.

LANGURIIDAE

XENOSCELINAE GANGLBAUER, 1899

Xenoscelini GANGLBAUER, 1899: 635. TYPE GENUS: *Xenoscelis* WOLLASTON, 1864.

Pharaxonothinae CROWSON, 1952: 127. TYPE GENUS: *Pharaxonotha* REITTER, 1875.

Eicolyctini VOGT, 1967: 103. TYPE GENUS: *Eicolyctus* SAHLBERG, 1919.

XENOSCELINI GANGLBAUER, 1899

LOBERINI BRUCE, 1951

Loberinae BRUCE, 1951: 4. TYPE GENUS: *Loberus* LECONTE, 1861.

LOBERONOTHINI SEN GUPTA & CROWSON, 1969

Loberonothini SEN GUPTA & CROWSON, 1969b: 127. TYPE GENUS: *Loberonotha* SEN GUPTA & CROWSON, 1969.

LANGURIINAE CROTCH, 1873

Languriides CROTCH, 1873: 349. TYPE GENUS: *Languria* LATREILLE, 1802. COMMENTS: WIEDEMANN (1823) is sometimes cited as the author of the family name, but the paper includes only descriptions of new species of *Languria* LATREILLE.

THALLISELLINI SEN GUPTA, 1968

Thallisellini SEN GUPTA, 1968: 470. TYPE GENUS: *Thalisella* CROTCH, 1876.

CLADOXENINI ARROW, 1925

Cladoxeninae ARROW, 1925: 166. TYPE GENUS: *Cladoxena* MOTSCHULSKY, 1866.

LANGURIINI CROTCH, 1873

SETARIOLINAE CROWSON, 1952

Setariini CASEY, 1900: 77. TYPE GENUS: *Setaria* MULSANT & REY, 1863. COMMENTS: unavailable name, based on preoccupied type genus.

Setariolinae CROWSON, 1952: 127. TYPE GENUS: *Setariola* JAKOBSON, 1915.

TORAMINAE SEN GUPTA, 1967

Toraminae SEN GUPTA, 1967: 168. TYPE GENUS: *Toramus* GROUVELLE, 1916.

CRYPTOPHILINAE CASEY, 1900

Cryptophilini CASEY, 1900: 77. TYPE GENUS: *Cryptophilus* REITTER, 1874.

CRYPTOPHILINI CASEY, 1900

XENOSCELININI SEN GUPTA & CROWSON, 1971

Xenoscelinini SEN GUPTA & CROWSON, 1971: 25. TYPE GENUS: *Xenoscelinus* GROUVELLE, 1910.

EROTYLIDAE

Erotilenae LATREILLE, 1802: 233. TYPE GENUS: *Erotylus* FABRICIUS, 1775.

DACNINAE GISTEL, 1856

Engidites LATREILLE, 1829: 506. TYPE GENUS: *Engis* PAYKULL, 1800. COMMENTS: unavailable name, based on genus not recognized as valid at the time (Art. 11f(i)1), see comment {1}.

Dacneidae GISTEL, 1856: 360. TYPE GENUS: *Dacne* LATREILLE, 1796.

Cryptodacnini SEN GUPTA, 1969: 101. TYPE GENUS: *Cryptodacne* SHARP, 1878.

ENCAUSTINAE CHAPUIS, 1876/CROTCH, 1876

Engidae MACLEAY, 1825: 40. TYPE GENUS: *Engis* sensu MACLEAY (= *Encaustes* LACORDAIRE), 1825 nec PAYKULL, 1800. COMMENTS: unavailable name, based on misidentified type genus, see discussion {6}.

Encaustites CHAPUIS, 1876: 19. TYPE GENUS: *Encaustes* LACORDAIRE, 1842.

Encaustini CROTCH, 1876: 476. TYPE GENUS: *Encaustes* LACORDAIRE, 1842.

EROTYLINAE LATREILLE, 1802

MEGALODACNINAE SEN GUPTA, 1969

Megalodacnini SEN GUPTA, 1969: 98. TYPE GENUS: *Megalodacne* CROTCH, 1873.

TRITOMINAE CURTIS, 1834

Tritomidae CURTIS, 1834: plate 498. TYPE GENUS: *Tritoma* FABRICIUS, 1775. COMMENT: type genus conservation to ICZN proposed by KERZHNER (Case 2292).

Triplacinae IMHOFF, 1856: XVII. TYPE GENUS: *Triplax* HERBST, 1793.

Renaniinae CHÛJÔ, 1941: 10. TYPE GENUS: *Renania* LEWIS, 1887.

Cyrtotriplacina CHÛJÔ, 1969: 201. TYPE GENUS: *Cyrtotriplax* CROTCH, 1873.

BYTURIDAE

BYTURINAE

Byturites JACQUELIN DU VAL, 1858: 211. TYPE GENUS: *Byturus* LATREILLE, 1796.

Butyridae [sic] THOMSON, 1859: 71. TYPE GENUS: *Byturus* LATREILLE, 1796.

Trixagidae SEIDLITZ, 1888: XLIV. TYPE GENUS: *Trixagus* KUGELANN, 1794.

PLATYDASCILINAE

Platydascillidae PIC, 1914: 20. TYPE GENUS: *Platydascillus* EVERTS, 1909.

BIPHYLLIDAE

Diphyllidae LECONTE, 1861: 104. TYPE GENUS: *Diphyllus* BERTHOLD, 1827. COMMENT: *Diphyllus* is an unjustified emendation of *Biphyllus*, see discussion {14}.

Biphyllini Casey, 1900: 77. TYPE GENUS: *Biphyllus* DEJEAN, 1821.

Biphyllinae SHARP, 1900b: 580. TYPE GENUS: *Biphyllus* DEJEAN, 1821.

BOTHRIDERIDAE

ANOMMATINAE GANGLBAUER, 1899

Anommatini GANGLBAUER, 1899: 890. TYPE GENUS: *Anommatus* WESMAEL, 1835.

XYLARIOPHILINAE PAL & LAWRENCE, 1986

Xylariophilinae PAL & LAWRENCE, 1986: 208. TYPE GENUS: *Xylariophilus* PAL & LAWRENCE, 1986.

TEREDINAE SEIDLITZ, 1888

Teredini SEIDLITZ, 1888: 57. TYPE GENUS: *Teredus* DEJEAN, 1835.

SOSYLOPSINI DAJOZ, 1980

Sosylopsini DAJOZ, 1980b: 158. TYPE GENUS: *Sosylopsis* GROUVELLE, 1910.

SYSOLINI ŚLIPIŃSKI & PAL, 1985

Sysolini ŚLIPIŃSKI & PAL, 1985: 40. TYPE GENUS: *Sysolus* GROUVELLE, 1908.

TEREDINI SEIDLITZ, 1888

BOTHRIDERINAE ERICHSON, 1845

Bothriderini ERICHSON, 1845: 254. TYPE GENUS: *Bothrideres* DEJEAN, 1835.

Dastarcini REITTER, 1922: 39. TYPE GENUS: *Dastarcus* WALKER, 1858.

DERETAPHRINAE HORN, 1878

Deretaphrini HORN, 1878: 557. TYPE GENUS: *Deretaphrus* NEWMAN, 1842.

CERYLONIDAE

EUXESTINAE GROUVELLE, 1908

Euxestinae GROUVELLE, 1908: 397. TYPE GENUS: *Euxestus* WOLLASTON, 1858.

Pachyochthesinae REITTER, 1911: 105. TYPE GENUS: *Pachyochthes* REITTER, 1897.

Metacerylini HEINZE, 1944: 21. TYPE GENUS: *Metacerylon* GROUVELLE, 1906.

Cycloxenini JEANNEL & PAULIAN, 1945: 57. TYPE GENUS: *Cycloxenus* ARROW, 1925.

Tachyoryctidiini JEANNEL & PAULIAN, 1945: 56. TYPE GENUS: *Tachyoryctidium* JEANNEL & PAULIAN, 1945.

LOEBLIORYLONINAE ŚLIPIŃSKI, 1990

Loebliorylinae ŚLIPIŃSKI, 1990: 81. TYPE GENUS: *Loebliorylon* ŚLIPIŃSKI, 1990.

MURMIDIINAE JACQUELIN DU VAL, 1858

Murmidiides JACQUELIN DU VAL, 1858: 227. TYPE GENUS: *Murmidius* LEACH, 1821.

OSTOMOPSINAE SEN GUPTA & CROWSON, 1973

Ostomopsini SEN GUPTA & CROWSON, 1973: 400. TYPE GENUS: *Ostomopsis* SCOTT, 1922.

CERYLONINAE BILLBERG, 1820

Cerylonides BILLBERG, 1820: 47. TYPE GENUS: *Cerylon* LATREILLE, 1802. COMMENTS: see also SILFVERBERG (1994a).

Pleosomides [sic] FAUVEL, 1891: 162. TYPE GENUS: *Ploeosoma* WOLLASTON, 1854.

Lapethinae SHARP, 1894: 445. TYPE GENUS: *Lapethus* CASEY, 1890.

Mychocerinae SHARP, 1895: 494 TYPE GENUS: *Mychocerus* sensu LECONTE, 1869 nec ERICHSON, 1845. COMMENTS: unavailable name, based on misidentified type genus.

Aculagnathidae OKE, 1932: 22. TYPE GENUS: *Aculagnathus* OKE, 1932.

Dolosidae DAJOZ, 1963: 96. TYPE GENUS: *Dolosus* DAJOZ, 1963.

ALEXIIDAE

Alexiadae IMHOFF, 1856: XVII. TYPE GENUS: *Alexia* STEPHENS, 1833.

Sphaerosominae GANGLBAUER, 1899: 913. TYPE GENUS: *Sphaerosoma* STEPHENS, 1849. COMMENT: the younger name could be used for this family, but we do not believe that it is widely accepted, see discussion {4}.

DISCOLOMATIDAE

NOTIOPHYGINAE JAKOBSON, 1915

Notiophygidae JAKOBSON, 1915: 920. TYPE GENUS: *Notiophygus* GORY, 1834.

NOTIOPHYGINI JAKOBSON, 1915

PACHYPLACINI JOHN, 1954

Pachyplacini JOHN, 1954: 38. TYPE GENUS: *Pachyplacus* JOHN, 1935.

DYSTHEAMONINI JOHN, 1954

Dystheamonini JOHN, 1954: 42. TYPE GENUS: *Dystheamon* GROUVELLE, 1927.

DISCOLOMATINAE HORN, 1878

Discolomidae HORN, 1878: 557. TYPE GENUS: *Discoloma* ERICHSON, 1845.

Pseudocorylophidae MATTHEWS, 1899: 197. COMMENT: unavailable name, not based on genus.

APHANOCEPHALINAE GROUVELLE, 1912

Aphanocephalidae GROUVELLE, 1912: 198. TYPE GENUS: *Aphanocephalus* WOLLASTON, 1873.

CEPHALOPHANINAE JOHN, 1954

Cephalophaninae JOHN, 1954: 64. TYPE GENUS: *Cephalophanus* JOHN, 1940.

PONDONATINAE JOHN, 1959

Pondonatinae JOHN, 1959: 43. TYPE GENUS: *Pondonatus* JOHN, 1954.

ENDOMYCHIDAE

HOLOPARAMECINAE SEIDLITZ, 1888

Holoparamecini SEIDLITZ, 1888: 57. TYPE GENUS: *Holoparamecus* CURTIS, 1833.

MEROPHYSIINAE SEIDLITZ, 1872

Merophysiini SEIDLITZ, 1872: 39. TYPE GENUS: *Merophysia* LUCAS, 1852.

LEIESTINAE THOMSON, 1863

Leiestina THOMSON, 1863: 306. TYPE GENUS: *Leiestes* DEJEAN, 1836.

Rhanes LECONTE & HORN, 1883: 120. TYPE GENUS: *Rhanis* LECONTE, 1854 (nec *Rhanis* KOCH, 1846). COMMENT: unavailable name based on junior homonym.

Phymaphorina JAKOBSON, 1915: 961. TYPE GENUS: *Phymaphora* NEWMAN, 1838.

EUPSILOBIINAE CASEY, 1895

Eupsilobiini CASEY, 1895: 452. TYPE GENUS: *Eupsilobius* CASEY, 1895.

Cerasommatidiidae BRÈTHES, 1925: 199. TYPE GENUS: *Cerasommatidia* BRÈTHES, 1925. COMMENT: see discussion {15}. **syn. nov.**

Eidoreinae SASAJI, 1986: 235. TYPE GENUS: *Eidoreus* SHARP, 1885.

ENDOMYCHINAE LEACH, 1815

Endomychides LEACH, 1815: 116. TYPE GENUS: *Endomychus* PANZER, 1795.

Cyclotomidae IMHOFF, 1856: XVII. TYPE GENUS: *Cyclotoma* MULSANT, 1851.

Palaeomorphidae GORHAM, 1873: 24. COMMENT: unavailable name, not based on genus.

Paussöideidae GORHAM, 1873: 29. COMMENT: unavailable name, not based on genus.

Agaricophilinae LAWRENCE, 1991: 484. TYPE GENUS: *Agaricophilus* MOTSCHULSKY, 1838. COMMENT: unavailable name, published without description.

EPIPOCINAE GORHAM, 1873

Epipocidae GORHAM, 1873: 20. TYPE GENUS: *Epipocus* GERMAR, 1843.

Sténotarsites CHAPUIS, 1876: 87. TYPE GENUS: *Stenotarsus* PERTY, 1832.

LYCOPERDININAE REDTENBACHER, 1844

Lycoperdinae REDTENBACHER, 1844: 118. TYPE GENUS: *Lycoperdina* LATREILLE, 1807.

Eumorphidae GISTEL, 1856: 382. TYPE GENUS: *Eumorphus* WEBER, 1801.

Eumorphini GERSTAECKER, 1857: 214. TYPE GENUS: *Eumorphus* WEBER, 1801.

Dapsini GERSTAECKER, 1858: XIV. TYPE GENUS: *Dapsa* LATREILLE, 1829.

Corynomalidae GORHAM, 1873: 14. TYPE GENUS: *Corynomalus* GERSTAECKER, 1857.

Amphicini CSIKI, 1910: 25. TYPE GENUS: *Amphix* LAPORTE, 1840.

Beccariini ARROW, 1925: 278. TYPE GENUS: *Beccaria* GORHAM, 1885 nec TRICHENSE, 1870. COMMENT: unavailable name, based on preoccupied type genus.

Amphisternini STROHECKER, 1964: 320. TYPE GENUS: *Amphisternus* GERMAR, 1843.

MYCETAEINAE JACQUELIN DU VAL, 1857

Mycetéides JACQUELIN DU VAL, 1857: 102. TYPE GENUS: *Mycetaea* STEPHENS, 1829.

ANAMORPHINAE STROHECKER, 1953

Anamorphini STROHECKER, 1953: 15. TYPE GENUS: *Anamorphus* LECONTE, 1878.

Mychotheninae SASAJI, 1978: 8. TYPE GENUS: *Mychothenus* STROHECKER, 1953.

PLEGANOPHORINAE JACQUELIN DU VAL, 1858

Pléganophorides JACQUELIN DU VAL, 1858: 186. TYPE GENUS: *Pleganophorus* HAMPE, 1855.

Trochoidéites CHAPUIS, 1876: 87. TYPE GENUS: *Trochoideus* WESTWOOD, 1833.

XENOMYCETINAE STROHECKER, 1962

Xenomycetinae STROHECKER, 1962: 801. TYPE GENUS: *Xenomycetes* HORN, 1880. COMMENT: this name is sometimes credited as ARNETT, 1962. STROHECKER himself (1986) listed ARNETT as the author of the name. According to Article 50, the correct author is STROHECKER.

COCCINELLIDAE

Coccinellidae LATREILLE, 1807b: 70. TYPE GENUS: *Coccinella* LINNAEUS, 1758.

Gymnosomides MULSANT, 1846: 27 (as group for families). COMMENT: unavailable name, not based on genus.

Trichosomides MULSANT, 1846: 27 (as group for families). COMMENT: unavailable name, not based on genus.

Pseudococcinellidae WEISE, 1887: 185. COMMENT: unavailable name, not based on genus.

COCCIDULINAE MULSANT, 1846

Cocciduliens MULSANT, 1846: 189. TYPE GENUS: *Coccidula* Kugelann, 1798.

Rhizobiates MULSANT, 1846: 218. TYPE GENUS: *Rhyzobius* STEPHENS, 1829.

TETRABRACHINI KAPUR, 1948

Lithophilidae IMHOFF, 1856: XVII. TYPE GENUS: *Lithophilus* FRÖHLICH, 1793 (nec *Lithophilus* SCHNEIDER, 1791). COMMENT: unavailable name, based on preoccupied type genus.

Lithopilites JACQUELIN DU VAL, 1858: 224. TYPE GENUS: *Lithophilus* FRÖHLICH, 1793. COMMENT: unavailable name, based on preoccupied type genus.

Tetrabrachinae KAPUR, 1948: 320. type genus: *Tetrabrachys* KAPUR, 1948.

COCCIDULINI MULSANT, 1846

SUMNIINI HOANG, 1982

Sumniini HOANG, 1982: 138. TYPE GENUS: *Sumnius* WEISE, 1892.

EXOPLECTRINI CROTCH, 1874

Chnoodiens MULSANT, 1850: 696. TYPE GENUS: *Chnoodes* DEJEAN, 1836. COMMENT: unavailable name; not latinized subsequently; see discussion {2}.

Siolaires MULSANT, 1850: 907. TYPE GENUS: *Siola* MULSANT, 1850. COMMENT: unavailable name; not latinized subsequently; see discussion {2}.

Exoplectrides CROTCH, 1874: xiii. TYPE GENUS: *Exoplectra* DEJEAN, 1836.

MONOCORYNINI MIYATAKE, 1988

Monocorynini MIYATAKE, 1988: 28. TYPE GENUS: *Monocoryna* GORHAM, 1885.

NOVIINI MULSANT, 1850

Noviaires MULSANT, 1850: 938. TYPE GENUS: *Novius* MULSANT, 1850.

Rodoliaires MULSANT, 1850: 892. TYPE GENUS: *Rodolia* MULSANT, 1850.

ORYSSOMINI GORDON, 1974

Oryssomini GORDON, 1974: 146. TYPE GENUS: *Oryssomus* MULSANT, 1850.

AZYINI MULSANT, 1850

Azyaires MULSANT, 1850: 907. TYPE GENUS: *Azya* MULSANT, 1850.

SCYMNINAE MULSANT, 1846

Scymniaires MULSANT, 1846: 189. TYPE GENUS: *Scymnus* KUGELANN, 1794.

Cryptolaemaires MULSANT, 1853: 267. TYPE GENUS: *Cryptolaemus* MULSANT, 1853. COMMENT: unavailable name; not latinized subsequently; see discussion {2}

Bucolites CHAPUIS, 1876: 166. TYPE GENUS: *Bucolus* MULSANT, 1850.

STETHORINI DOBZHANSKY, 1924

Stethorini DOBZHANSKY, 1924: 20. TYPE GENUS: *Stethorus* WEISE, 1885.

SCYMNINI MULSANT, 1846

SCYMNILLINI CASEY, 1899

Scymnillini CASEY, 1899: 74. TYPE GENUS: *Scymnillus* HORN, 1895.

Zilini GORDON, 1985: 74. TYPE GENUS: *Zilus* MULSANT, 1850.

SELVADIINI GORDON, 1985

Selvadiini GORDON, 1985: 347. TYPE GENUS: *Selvadius* CASEY, 1899.

CRANOPHORINI MULSANT, 1850

Cranophoraires MULSANT, 1850: 938. TYPE GENUS: *Cranophorus* MULSANT, 1850.

HYPERASPINI MULSANT, 1846

Hypéraspiens MULSANT, 1846: 28. TYPE GENUS: *Hyperaspis* DEJEAN, 1836.

Iperaspini COSTA, 1849: 9 (=*Hyperaspini*). TYPE GENUS: *Hyperaspis* DEJEAN, 1836.

Thalassaires MULSANT, 1850: 496. TYPE GENUS: *Thalassa* MULSANT, 1850.

Tiphysaires MULSANT, 1850: 496. TYPE GENUS: *Tiphysa* MULSANT, 1850.

BRACHIACANTHINI, MULSANT, 1850

Brachyacanthaires MULSANT, 1850: 496. TYPE GENUS: *Brachiacantha* DEJEAN, 1836.

Brachyacanthadini [sic] DUVERGER, 1989: 143. TYPE GENUS: *Brachiacantha* DEJEAN, 1836. COMMENT: first latinized usage of MULSANT's name ?

ORTALIINI MULSANT, 1850

Ortaliens MULSANT, 1850: 696. TYPE GENUS: *Ortalia* MULSANT, 1850.

Poriens MULSANT, 1850: 696. TYPE GENUS: *Poria* MULSANT, 1850.

CRYPTOGNATHINI MULSANT, 1850

Cryptognathaires MULSANT, 1850: 496. TYPE GENUS: *Cryptognatha* MULSANT, 1850.

Pentiliaires MULSANT, 1850: 496. TYPE GENUS: *Pentilia* MULSANT, 1850.

Oeneini CASEY, 1899: 74. TYPE GENUS: *Oeneis* MULSANT, 1850 (nec *Oeneis* HÜBNER, 1819) [= *Calloeneis* GROTTE, 1873]. COMMENT: unavailable name, based on junior homonym.

CHILOCORINAE MULSANT, 1846

Chilocoriens MULSANT, 1846: 28. TYPE GENUS: *Chilocorus* LEACH, 1815.

Exochomaires MULSANT, 1850: 451. TYPE GENUS: *Exochomus* REDTENBACHER, 1843.

Clanini WEISE, 1901: 430. TYPE GENUS: *Clanis* MULSANT, 1850 (nec *Clanis* HÜBNER, 1819). COMMENT: unavailable name, based on junior homonym.

TELSIMIINI CASEY, 1899

Telsimiini CASEY, 1899: 74. TYPE GENUS: *Telsimia* CASEY, 1899.

PLATYNASPINI MULSANT, 1846

Platynaspes MULSANT, 1846: 189. TYPE GENUS: *Platynaspis* REDTENBACHER, 1843.

CHILOCORINI MULSANT, 1846

ASPIDIMERINI MULSANT, 1850

Aspidiméraires MULSANT, 1850: 938. TYPE GENUS: *Aspidimerus* MULSANT, 1850.

STICHOLOTIDINAE WEISE, 1901

Pharini CASEY, 1899: 74. TYPE GENUS: *Pharus* MULSANT, 1850 (nec *Pharus* GRAY, 1840). COMMENT: unavailable name, based on preoccupied type genus.

Pharini GANGLBAUER, 1899: 954. TYPE GENUS: *Pharus* MULSANT, 1850. COMMENT: unavailable name, based on preoccupied type genus.

Sticholotini WEISE, 1901: 430. TYPE GENUS: *Sticholotis* CROTCH, 1874.

Coelopterini DELLA BEFFA, 1912: 171. TYPE GENUS: *Coelopterus* MULSANT & REY, 1852.

CARINODULINI GORDON, PAKALUK & ŚLIPIŃSKI, 1989

Carinodulini GORDON, PAKALUK & ŚLIPIŃSKI, 1989: 360. TYPE GENUS: *Carinodula* GORDON, PAKALUK & ŚLIPIŃSKI, 1989.

CEPHALOSCYMNINI GORDON, 1985

Cephaloscymnini GORDON, 1985: 66. TYPE GENUS: *Cephaloscymnus* CROTCH, 1872.

MICROWEISEINI LENG, 1920

Microweiseini LENG, 1920: 213. TYPE GENUS: *Microweisea* COCKERELL, 1903.

SERANGIINI POPE, 1962

Serangiini BLACKWELDER, 1945: 450. type genus: *Serangium* BLACKBURN, 1889. COMMENT: unavailable name, published without description.

Serangiini POPE, 1962: 627. TYPE GENUS: *Serangium* BLACKBURN, 1889.

SHIROZUELLINI SASAJI, 1967

Shirozuellini SASAJI, 1967: 23. TYPE GENUS: *Shirozuella* SASAJI, 1967.

Ghaniini AHMAD, 1973: 449. TYPE GENUS: *Ghanius* AHMAD, 1973.

STICHOLOTIDINI WEISE, 1901

SUKUNAHIKONINI KAMIYA, 1960

Sukunahikonini KAMIYA, 1960: 24. TYPE GENUS: *Sukunahikona* KAMIYA, 1960.

COCCINELLINAE LATREILLE, 1807

Adoniates MULSANT, 1846: 35. TYPE GENUS: *Adonia* MULSANT, 1846.

Hippodamiaires MULSANT, 1846: 29. TYPE GENUS: *Hippodamia* DEJEAN, 1836.

Micraspiaires MULSANT, 1846: 29. TYPE GENUS: *Micraspis* DEJEAN, 1836.

Mysiates MULSANT, 1846: 124. TYPE GENUS: *Myzia* MULSANT, 1846.

Alesiaires MULSANT, 1850: 228. TYPE GENUS: *Alesia* MULSANT, 1850.

Cariaires MULSANT, 1850: 228. TYPE GENUS: *Caria* MULSANT, 1850 (nec *Caria* HÜBNER, 1823). COMMENT: unavailable name, based on junior homonym.

Coelophoraires MULSANT, 1850: 228. TYPE GENUS: *Coelophora* MULSANT, 1850.

Cydoniaires MULSANT, 1850: 228. TYPE GENUS: *Cydonia* MULSANT, 1850.

Tytthaspides CROTCH, 1874: xiii. TYPE GENUS: *Tytthaspis* CROTCH, 1874.

Synonychini WEISE, 1885: 7. TYPE GENUS: *Synonycha* DEJEAN, 1836.

Anisostictina JAKOBSON, 1915: 969. TYPE GENUS: *Anisosticta* DEJEAN, 1836.

HALYZIINI, MULSANT, 1846

Halyziaires MULSANT, 1846: 29. TYPE GENUS: *Halyzia* MULSANT, 1846.

Aliziarii COSTA, 1849: 11 (= *Halyziini*). TYPE GENUS: *Halyzia* MULSANT, 1846.

Psylloborini CASEY, 1899: 73. TYPE GENUS: *Psyllobora* DEJEAN, 1836.

BULAEINI SAVOISKAJA, 1969

Bulaeini SAVOISKAJA, 1969: 69. TYPE GENUS: *Bulaea* MULSANT, 1850.

COCCINELLINI LATREILLE, 1807

DISCOTOMINI MULSANT, 1850

Discotomaires MULSANT, 1850: 4. TYPE GENUS: *Discotoma* MULSANT, 1850.

SINGHIKALIINI MIYATAKE, 1972

Singhikaliini MIYATAKE, 1972: 96. TYPE GENUS: *Singhikalia* KAPUR, 1963.

EPILACHNINAE MULSANT, 1846

Epilachniens MULSANT, 1846: 189. TYPE GENUS: *Epilachna* DEJEAN, 1836.

Chnootribaires MULSANT, 1850: 697. TYPE GENUS: *Chnootriba* DEJEAN, 1836.
Subcoccinellini JAKOBSON, 1915: 968. TYPE GENUS: *Subcoccinella* HÜBER, 1841.

EPILACHNINI MULSANT, 1846

EPIVERTINI PANG & MAO, 1979

Epivertini PANG & MAO, 1979: 158. TYPE GENUS: *Epiverta* DIEKE, 1947.

CYNEGETINI THOMSON, 1866

Cynegetides THOMSON, 1866: 374. TYPE GENUS: *Cynegetis* DEJEAN, 1836.
Madaini GORDON, 1975: 206. TYPE GENUS: *Mada* MULSANT, 1850.

EREMOCHILINI GORDON & VANDENBERG, 1987

Eremochilini GORDON & VANDENBERG, 1987: 6. TYPE GENUS: *Eremochilus* WEISE, 1912.

CORYLOPHIDAE

PELTINODINAE PAULIAN, 1950

Peltinoditae PAULIAN, 1950: 19. TYPE GENUS: *Peltinodes* PAULIAN, 1950.

CORYLOPHINAE LECONTE, 1852

Corylophi LECONTE, 1852: 141. TYPE GENUS: *Corylophus* STEPHENS, 1833.
Phanerocephalina MATTHEWS, 1899: 32. COMMENT: unavailable name, not based on genus.

CORYLOPHODINI PAULIAN, 1950

Corylophodini PAULIAN, 1950: 22. TYPE GENUS: *Corylophodes* MATTHEWS, 1885.

TEPLININI **nom. nov.**

Peltinini PAULIAN, 1950: 23. TYPE GENUS: *Peltinus* MULSANT, 1861 (nec *Peltinus* RAFINESQUE, 1815). COMMENT: unavailable name, based on junior homonym, see discussion {12}.
Teplinini nom. nov. TYPE GENUS: *Teplinus* **nom. nov.**

CORYLOPHINI LECONTE, 1852

ORTHOPERINI JACQUELIN DU VAL, 1857

Orthopérites JACQUELIN DU VAL, 1857: 100. TYPE GENUS: *Orthoperus* STEPHENS, 1829.
Orthoperidae THOMSON, 1859: 63. TYPE GENUS: *Orthoperus* STEPHENS, 1829.
Aenigmaticini CASEY, 1900: 61. TYPE GENUS: *Aenigmaticum* MATTHEWS, 1888.

RYPOBIINI PAULIAN, 1950

Rhypobiini PAULIAN, 1950: 48. TYPE GENUS: *Rypobius* LECONTE, 1852. COMMENT: *Rhypobius* GEMMINGER & HAROLD is an unjustified emendation of *Rypobius* LECONTE.

SERICODERINAE MATTHEWS, 1888

Sericoderina MATTHEWS, 1888: 103. TYPE GENUS: *Sericoderus* STEPHENS, 1829.

PARMULINAE Poey, 1854

Clypeastres Redtenbacher, 1845: 58. type genus: *Clypeaster* Dejean, 1821 (nec *Clypeaster* Lamarck, 1801). comment: unavailable name, based on preoccupied type genus.

Parmulini Poey, 1854: 323. type genus: *Parmulus* Gundlach, 1854.

Saciina Matthews, 1888: 103. type genus: *Sacium* LeConte, 1852.

Arthrolipinae Böving & Craighead, 1931: 36. type genus: *Arthrolips* Wollaston, 1854.

CORTICARIIDAE

LATRIDIINAE Erichson, 1842

Lathridien Erichson, 1842a: 122. type genus: *Latridius* Herbst, 1793. comments: incorrect original spelling; based on *Lathridius* Illiger, 1801; unjustified emendation of type genus, see discussions {5},{9}.

CORTICARIINAE Curtis, 1829

Corticaridae Curtis, 1829: 283 (text on a plate). type genus: *Corticaria* Marsham, 1802. comments: priority over *Latridiidae*, see discussions {5}, {9}.

Corticariini Reitter, 1875a: 229. type genus: *Corticaria* Marsham, 1802.

REFERENCES

Ahmad, R., 1973. A new tribe of the family *Coccinellidae* (*Coleoptera*). Bulletin of Entomological Research, **62**(3): 449-452.

Arrow, G. J., 1925. The Fauna of British India, Including Ceylon and Burma. *Coleoptera. Clavicornia. Erotylidae, Languriidae*, and *Endomychidae*. Taylor & Francis, London. XVI + 416 pp., I pl., 1 map.

Billberg, G. J., 1820. Enumeratio Insectorum in Museo Gust. Joh. Billberg. Gadelianis, Holmiae. 3 + 138 pp.

Blackwelder, R. E., 1945. Checklist of the coleopterous insects of Mexico, Central America, the West Indies, and South America. Part 3. United States National Museum Bulletin, **185**: 343-550.

Blanchard, É., 1845a. Histoire des Insectes, traitant de leurs moeurs et de leurs métamorphoses en général et comprenant une nouvelle classification fondée sur leurs rapports naturels. Hyménoptères et Coléoptères. Tome I. Didot, Paris. 398 pp. + pls. 1-10.

Blanchard, É., 1845b. Histoire des insectes, traitant de leurs moeurs et de leurs métamorphoses en général et comprenant une nouvelle classification fondée sur leur- rapports naturels. Coléoptères, Orthoptères, Thysanoptères, Néuroptères, Lépidoptères, Hémiptères, Aphaniptères, Strepsiptères, Diptères, Anoplures et Thysanures. Tome II. Didot, Paris. 524 pp. + pls. 11-20.

Böving, A. G., Craighead, F.C., 1931. An illustrated synopsis of the principal larval forms of the Order *Coleoptera*. Entomologica Americana (new series), **11**: 1-351.

Brèthes, J., 1925. Coccinellides du British Muséum (avec une nouvelle famille de Coléoptères). Anales del Museo Nacional de Historia Natural de Buenos Aires, **33**: 195-214.

Bruce, N., 1951. *Cryptophagidae* (*Coleoptera Polyphaga*). Exploration du Parc National Albert. Mission G.F. de Witte (1933-1935), Fascicule 75, 26 pp., pl. I, II.

BURAKOWSKI, B., MROCZKOWSKI, M., STEFAŃSKA, J., 1986. Chrząszcze *Coleoptera, Cucujoidea*, cz. 1. Cz. XXIII, tom 12. IN: Katalog Fauny Polski. 266 pp., 1 map., Państwowe Wydawnictwo Naukowe, Warszawa.

CASEY, T. L., 1884. Revision of the *Cucujidae* of America north of Mexico. Transactions of the American Entomological Society, **11**: 69-112 + pls. I-VIII

CASEY, T. L., 1895. Coleopterological notices. VI. Annals of the New York Academy of Sciences, **8**: 435-846.

CASEY, T. L., 1899. A revision of the American *Coccinellidae*. Journal of the New York Entomological Society, 7(2): 71-169.

CASEY, T. L., 1900. Review of the American *Corylophidae, Cryptophagidae, Tritomidae* and *Dermestidae*, with other studies. Journal of the New York Entomological Society, **8**(2): 51-172.

CHAPUIS, M. F., 1876. Famille des Érotyliens, des Endomychides et des Coccinellides. IN: LACORDAIRE T., CHAPUIS F. (eds.), Histoire Naturelle des Insectes. Genera des Coléoptères ou exposé méthodique et critique de tous les genres proposés jusqu'ici dans cet ordre d'insectes. Tome Douzième. Roret, Paris. 424 pp.

CHAZEAU, J., FÜRSCH, H., SASAJI, H., 1989. Taxonomy of Coccinellids. Coccinella, **1**: 6-8.

CHENU J. C., DEMAREST, E., 1851. Encyclopédie d'Histoire Naturelle ou traité complet de cette science d'après les Travaux des Naturalistes les plus Éminents de Tous les Pays et de Toutes les Époques BUFFON, DAUBENTON, LACÉPÈDE, G. CUVIER, F. CUVIER, GEOFFROY SAINT-HILAIRE, LATREILLE, DE JUSSIEU, BRONGNIART, etc., etc. Ouvrage résumant les Observations des Auteurs Anciens et Comprenant Toutes les Découvertes Modernes Jusqu'a Nos Jours. Coléoptères Cicindelètes, Carabiques, Dytisciens, Hydrophiliens, Sylphales et Nitidulaires. Marescq et Compagnie, Paris. 4 + 312 pp. + Plan. 1-28.

CHÛJÔ, M., 1941. Descriptions of some new *Erotylidae* (*Coleoptera*) from the Japanese Empire. Kontyû, **15**: 10-21.

CHÛJÔ, M., 1969. Fauna Japonica. *Erotylidae* (*Insecta*: *Coleoptera*). Academic Press of Japan, Tokyo. XII + 316 pp. + Pls. I-XXIII.

CHÛJÔ, M., CHÛJÔ, M., 1989. A catalog of the *Erotylidae* (*Insecta, Coleoptera*) from the Old World (excl. the Ethiopian Region). Esakia, **28**: 75-96.

COSTA, A., 1849. Fauna del Regno di Napoli ossia Enumerazione di tutti gli animali che abitano le diverse Regioni di Questo Regno e le acque che le Bagnano contente la Descrizione de'nuovi o poco esattamente conosciuti con figure ricavate da originali viventi e dipinte al naturale di Oronzio-Gabriele Costa. Coleotteri. Parte I. Coleotteri Trimeri. Famiglia de' Coccinellidei - *Coccinellidea*. G. Sautto, Napoli. 112 pp. + Tav. I-VII.

CROTCH, G. R., 1873. A descriptive list of *Erotylidae* collected by Geo. LEWIS, Esq., in Japan (with addenda to the genus *Languria* by E. W. JANSON and C. O. WATERHOUSE). The Entomologist's Monthly Magazine 9: 184-189.

CROTCH, G. R., 1874. A Revision of the Coleopterous Family *Coccinellidae*. E. W. Janson, London. xv + 311 pp.

CROTCH, G. R., 1876. A Revision of the Coleopterous Family *Erotylidae*. Cistula Entomologica, **1**: 377-572.

CROWSON, R. A., 1952. The classification of the families of British *Coleoptera*. The Entomologist's Monthly Magazine, **88**: 109-132.

CROWSON, R. A., 1954. The classification of the families of British *Coleoptera*. The Entomologist's Monthly Magazine, **90**: 57-63.

CROWSON, R. A., 1973. Further observations on *Phloeostichidae* and *Cavognathidae*, with definitions of new genera from Australia and New Zealand. The Coleopterists Bulletin, **27**(2): 54-62.

CROWSON, R. A., 1980. On amphipolar distribution patterns in some cool climate groups of *Coleoptera*. Entomologica Generalis, **6**(2/4): 281-292.

CROWSON, R. A., 1981. The biology of *Coleoptera*. Academic Press, New York. xii + 802 pp.

CROWSON, R. A., 1990. A new genus of *Boganiidae* (*Coleoptera*) from Australia, with observations on glandular openings, cycad associations and geographical distribution in the family. Journal of the Australian Entomological Society, **29**: 91-99.

Csiki, E. 1910., Pars. 12: *Endomychidae*. IN: W. Junk, S. Schenkling (eds.), Coleopterorum Catalogus. Volume 16. W. Junk, Berlin. 68 pp.

Curtis, J., 1829. British Entomology; being illustrations and descriptions of the genera of Insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found. Vol. 6. Published by the Author, London. pls. 242-289.

Curtis, J., 1834. British Entomology; being illustrations and descriptions of the genera of Insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found. Vol. 11. Published by the Author, London. pls. 482-529.

Dajoz, R., 1963. *Dolosus leleupi* n. g., n. sp. et *Dolosus basilewskyi* n. sp., types d'une famille nouvelle de *Cucujoidea* (Coléoptères). Revue de Zoologie et de Botanique Afriçaines, **67**: 91-96.

Dajoz, R., 1980a. Description de *Orvoenia borneensis*, n. gen., n. sp., Coléoptère *Colydiidae* appartenant a une tribu nouvelle. Revue Française d'Entomologie (Nouvelle Série), **2**(4): 190-192.

Dajoz, R., 1980b. Faune de Madagascar. 54. Insectes Coléoptères: *Colydiidae* et *Cerylonidae*. Centre National de la Recherche Scientifique, Paris. 256 pp.

Della Beffa, G., 1912. Revisione dei Coccinellidi italiana. Revista coleottorologica italiana, **10**: 145-192.

Dobzhansky, T., 1924. Die weiblichen Generationsorgane der Coccinelliden als Artmerkmal betrachtet (Col.). Entomologische Mitteilungen, **13**(1): 18-27.

Duverger, Ch., 1989. Contribution à l'étude des Hyperaspinae. 1ère note (*Coleoptera*, *Coccinellidae*). Bulletin de la Société linnéenne de Bordeaux, **17** (3): 143-157.

Endrödy-Younga, S., Crowson, R. A., 1986. *Boganiidae*, a new beetle family for the African fauna (*Coleoptera*: *Cucujoidea*). Annals of the Transvaal Museum, **34**(12): 253-273.

Erichson, W. F., 1842a. Beitrag zur Insecten-fauna von Vandiemensland, mit besonderer Berücksichtigung der geographischen Verbreitung der Insecten. Archiv für Naturgeschichte **8**(1): 83-287, pls. 4, 5.

Erichson, W. F., 1842b. Bericht über die Leistungen in der Naturgeschichte der Insecten, Arachniden, Crustaceen und Entomostraceen während des Jahres 1841. Archiv für Naturgeschichte, **8**(2): 189-330.

Erichson, W. F., 1843. Versuch einer systematischen Eintheilung der Nitidularien. Zeitschrift für die Entomologie. Herausgegeben von Ernst Friedrich Germar, **4**(1-2): 225-361.

Erichson, W. F., 1845. Naturgeschichte der Insecten Deutschlands. Erste Abtheilung. Coleoptera. Dritter Band. Lieferungen I, II. Nicolaische Buchhandlung, Berlin. pp. 1-320.

Everts, J. E., 1898. *Coleoptera* Neerlandica. De Schildvleugelige Insecten van Nederland en het Aangrezend Gebied. Erste Deel. M. Nijhoff, 'sGravenhage. viii + 676 pp.

Fauconnet, L., 1894. Genera des Coléoptères de France. Bligny-Cottot, Autun. 3 + 84 pp.

Fauvel, A., 1891. Les Coléoptères de la Nouvelle-Calédonie et dépendances avec descriptions, notes et synonymies nouvelles. Revue d'Entomologie, **10**: 148-182.

Ganglbauer, L., 1899. Die Käfer von Mitteleuropa. Die Käfer der österreichisch-ungarischen Monarchie, Deutschlands, der Schweiz, sowie des französischen und italienischen Alpengebietes. Familienreihe *Clavicornia*. *Sphaeritidae*, *Ostomidae*, *Byturidae*, *Nitidulidae*, *Cucujidae*, *Erotylidae*, *Phalacridae*, *Thorictidae*, *Lathridiidae*, *Mycetophagidae*, *Colydiidae*, *Endomychidae*, *Coccinellidae*. C. Gerold's Sohn, Wien. Volume III, part 2, III+409-1046 pp.

Gerstaecker, A., 1857. Versuch einer systematischen Auseinandersetzung der Gattungen *Eumorphus* Web. und *Endomychus* Payk. Archiv für Naturgeschichte, **23**(1): 211-243.

Gerstaecker, A. 1858., Monographie der Endomychiden, einer Familie der Coleopteren. W. Engelmann, Liepzig. xiv + 433 pp. + Taf. I-III.

Gistel, J., 1856. Die Mysterien der europäischen Insectenwelt. T. Dannheimer, Kempten. xii + 530 pp.

Gordon, R. D., 1974. A review of the *Oryssomini*, a new tribe of Neotropical *Coccinellidae* (*Coleoptera*). The Coleopterists' Bulletin, **28**(3): 145-154.

Gordon, R. D., 1975. A revision of the *Epilachinae* of the Western Hemisphere (*Coleoptera*: *Coccinellidae*). United States Department of Agriculture Technical Bulletin, **1493**: 1-409.

Gordon, R. D., 1985. The *Coccinellidae* (*Coleoptera*) of America north of Mexico. Journal of the New York Entomological Society, **93**(1): 1-912.

GORDON, R. D., VANDENBERG, N., 1987. *Eremochilini*, a new tribe of Neotropical *Epilachinae* (*Coleoptera*: *Coccinellidae*). Journal of the New York Entomological Society, **95**(1): 5-9.

GORDON, R. D., PAKALUK, J., ŚLIPIŃSKI, S. A., 1989. *Carinodulini*, a new tribe of *Sticholotidinae* based upon a new genus and species from Mexico (*Coleoptera*: *Coccinellidae*). The Coleopterists' Bulletin, **43**(4): 359-364.

GORHAM, H. S., 1873. Endomycici Recitati. A catalogue of the Coleopterous group, Endomycici, with descriptions of new species, and notes. Williams & Norgate, London. 64 pp., 1 pl.

GROUVELLE, A., 1908. Coléoptères de la région Indienne. *Rhysodidae*, *Trogositidae*, *Nitidulidae*, *Colydiidae*, *Cucujidae* (1er mémoire). Annales de la Société Entomologique de France, **77**: 315-495 + Pls. 6-9.

GROUVELLE, A., 1912. Étude sur les *Aphanocephalus* et descriptions d'espèces nouvelles. Notes from the Leyden Museum, **34**(36): 197-224.

GROUVELLE, A., 1916. Études sur les Coléopterès. I. - Étude sur les *Passandrella*, *Scalidia* et *Laemotmetus* [*Passandridae*]. Mémoires Entomologiques, **1**: 5-25.

GUILLEBEAU, F., 1894. Descriptions de quelques espèces de la famille des *Phalacridae* de la collection de M. Antoine GROUVELLE. Annales de la Société Entomologique de France, **63**: 275-310.

HEINZE, E., 1944. Beiträge zur Kenntnis der Tribus *Cerylini* und *Metacerylini* (nov.) (*Coleoptera*: *Colydiidae*.). Arbeiten über morphologische und taxonomische Entomologie aus Berlin-Dahlem, **11**(1): 19-32.

HOANG, D. N., 1982. Novaja triba bozich korovok podsemejstva *Coccidulinae* (*Coleoptera*: *Coccinellidae*), pp. 137-140. IN: MEDVEDEV L.N., (ed.), Zivotnyj mir Vetnama. Soviet Academy of Sciences, Moscow. [In Russian]

HORN, G. H., 1878. Synopsis of the *Colydiidae* of the United States. Proceedings of the American Philosophical Society, **17**: 555-592.

HORN, G. H., 1879. Revision of the *Nitidulidae* of the United States. Transactions of the American Entomological Society, **7**: 267-336.

IMHOFF, L., 1856. Versuch einer Einführung in das Studium der Koleoptern. Published by the Author, Basel. xxxi + 1-114 + 1-272 pp. + Taf. 1-25.

ICZN. 1985. International Code of Zoological Nomenclature. Third Edition, Adopted by the XX General Assembly of the International Union of Biological Sciences. International Trust for Zoological Nomenclature. London, XX + 338 pp.

JACQUELIN DU VAL, C., 1857. Glanures entomologiques. Annales de la Société Entomologique de France. Troisième Série, **5**: 85-106.

JACQUELIN DU VAL, C., 1858. Manuel Entomologique. Genera des Coléoptères d'Europe comprenant leur classification en familles naturelles, la description de tous les genres, des tableaux synoptiques destinés à faciliter l'étude, le catalogue de toutes les espèces de nombreux dessins au trait de charactères et plus de treize cents types représentant un ou plusieurs insectes de chaque genre dessinés et peints d'apres nature avec le plus grand soin par M. Jules MIGNEAUX. Tome deuxieme. Livraisons 58-67 [Part 4]. A. Deyrolle, Paris. pp. 129-232.

JACQUELIN DU VAL, C., 1859. Manuel Entomologique. Genera des Coléoptères d'Europe comprenant leur classification en familles naturelles, la description de tous les genres, des tableaux synoptiques destinés à faciliter l'étude, le catalogue de toutes les espèces de nombreux dessins au trait de charactères et plus de treize cents types représentant un ou plusieurs insectes de chaque genre dessinés et peints d'apres nature avec le plus grand soin par M. Jules MIGNEAUX. Tome deuxieme. Livraisons 68-73 [Part 5]. A. Deyrolle, Paris. pp. 233-288.

JACQUELIN du Val, C., 1860. Genera des Coléoptères d'Europe comprenant leur classification en familles naturelles, la description de tous les genres, des tableaux synoptiques destinés à faciliter l'étude, le catalogue de toutes les espèces de nombreux dessins au trait de charactères. Tome 3. Livraisons 88-102 [Part 2]. A. Deyrolle, Paris. pp. 137-272.

JAKOBSON, G. G., 1915. Zhuki Rossii i zapadnoj Evropy. A. F. Devriena, St. Petersburg. Part 11, pp. 865-1024.

JEANNEL, R., PAULIAN, R., 1945. Coléoptères. In: Mission Scientifique de l'Omo. VI. 57. Faune des Terriers des Rats-Taupes. Mémoires du Muséum National d'Histoire Naturelle (nouvelle série), **19**(1): 51-147.

JOHN, H., 1954. Familiendiagnose der *Notiophygidae* (= *Discolomidae Col.*). Ihr Verwandtschaftsverhältnis zu den *Colydiidae* und Bemerkungen zu einigen systematisch noch nicht eingeordneten Gattungen. Entomologische Blätter, **50**: 9-75.

JOHN, H., 1959. Genera Insectorum de P. WYTSMAN. Fascicle 213. *Coleoptera Clavicornia*. Fam. *Discolomidae* (=*Notiophygidae*). Genera Insectorum, Crainhem. 56 pp. + pls. 1-8.

KAMIYA, H., 1960. A new tribe of *Coccinellidae* (*Coleoptera*). Kontyû, **28**(1): 22-26 + Pl. 3.

KAPUR, A. P., 1948. The genus *Tetrabrachys* (*Lithophilus*) with notes on its biology and a key to the species (*Coleoptera, Coccinellidae*). Transactions of the Royal Entomological Society of London, **99**(9): 319-339.

KESSEL, F., 1921. Über die Stellung der *Passandridae* im System. Archiv für Naturgeschichte. Abteilung A, **87**(6): 33-35.

KIESENWETTER, H., 1877. Naturgeschichte der Insecten Deutschlands. Erste Abtheilung. *Coleoptera*. Fünfter Band. Lieferung I. Nicolaische Verlags-Buchhandlung, Berlin. 200 pp.

KIRBY, W., 1837. The Insects., xxxix + 325 pp. + Pl. I-VIII. IN: J. RICHARDSON, (ed.), Fauna Boreali-Americana; or the Zoology of the Northern Parts of British America: containing descriptions of the objects of Natural History collected on the late Northern Land expeditions, under command of Captain Sir John FRANKLIN, R. N. Part the Fourth and Last. J. Fletcher, Norwich.

KIREJTSHUK, A. G., 1982. Systematic position of the genus *Calonecrus* J. THOMSON and notes on the phylogeny of the family *Nitidulidae* (*Coleoptera*). Entomologicheskoe Obozrenie, **61**(1): 117-129 [In Russian].

KIREJTSHUK, A. G., 1986a. Analiz stroenija genitalij dla rekonstrukcii filogenii i obosnovanija sistemy sem. *Nitidulidae* (*Coleoptera*). Trudy Vsesojuznogo Entomologiceskogo Obscectva. Obscaja Entomologija, **68**: 22-28 [In Russian].

KIREJTSHUK, A. G., 1986b. On polyphyly of the *Carpophilinae* with description of a new subfamily, *Cillaeinae* (*Coleoptera*: *Nitidulidae*). The Coleopterists' Bulletin, **40**(3): 217-221.

KIREJTSHUK, A. G., 1987. Obzor zhukov-blestjanok podsem. *Cryptarchinae* (*Coleoptera, Nitidulidae*) Indo-Malajskoj Oblasti [in Russian], pp. 62-95. IN: A. G. KIREJSHUK, (ed.), New and Little Known *Coleoptera*. Proceedings of the Zoological Institute of the Academy of Sciences U.S.S.R. Volume 170 [In Russian].

KIREJTSHUK, A. G., 1990. New genera and species of the nitidulid beetles (*Coleoptera Nitidulidae*) from Australian region. III. Entomologicheskoe Obozrenie, **69**(4): 857-878 [In Russian].

KIREJTSHUK, A. G., LAWRENCE, J. F., 1992. *Cychramptodini*, a new tribe of *Nitidulidae* (*Coleoptera*) from Australia. Journal of the Australian Entomological Society, **31**(1): 29-46.

LACORDAIRE, Th., 1854. Histoire Naturelle des Insectes. Genera des Coléoptères ou exposé méthodique et critique de tous les genres proposés jusqu'ici dans cet ordre d'insectes. Tome Deuxième contenant les familles des Paussides, Staphyliniens, Psélaphiens, Scydménides, Silphales, Sphériens, Trichoptérygiens, Scaphidiles, Histériens, Phalacrides, Nitidulares, Trogositaires, Colydiens, Rhysodides, Cucujipes, Cryptophagides, Lathridiens, Mycétophagides, Thorictides, Dermestins, Byrrhiens, Géoryssins, Parnides, Hétérocérides. Roret, Paris. 548 pp.

LAPORTE, F. L. N. de C., 1840. Histoire Naturelle des Insectes Coléoptères. Vol. 2. Paris. 563 pp.

LATREILLE, P. A., [1802]. Histoire naturelle, générale et particulière des Crustaces et des Insectes. Familles naturelles des genres. Tome troisième. F. Dufart, Paris. 467 pp.

LATREILLE, P. A., 1807a. Genera Crustaceorum et Insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata. Tomus Secundus. A. Koenig, Parisis et Argentorati. 280 pp.

LATREILLE, P. A., 1807b. Genera Crustaceorum et Insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata. Tomus Tertius. A. Koenig, Parisis et Argentorati. 258 pp.

LATREILLE, P. A., 1829. Crustacés, Arachnides et Partie des Insectes. IN: CUVIER, Le Règne Animal distribué d'après son organisation, pour servir de base a l'histoire naturelle des animaux et d'introduction a l'anatomie comparée. Nouvelle édition, revue et augmentée. Tome IV. Déterville, Paris. XXVII + 584 pp.

LAWRENCE, J. F., 1982. *Coleoptera*. pp. 482-553. IN: S. P. PARKER (ed.), Synopsis and Classification of Living Organisms, Vol. 2. McGraw-Hill, New York.

LAWRENCE, J. F., 1991. *Endomychidae* (*Cucujoidea*) (including *Merophysiidae*, *Mycetaeidae*), pp.482-485. IN: F. W. STEHR (ed.), Immature Insects. Volume 2. Kendall/Hunt, Dubuque.

LAWRENCE, J. F., BRITTON, E. B., 1991. *Coleoptera* (*Beetles*), pp. 543-683. IN: CSIRO, (ed.), The Insects of Australia. 2nd Edition. Volume 2. Melbourne University Press, Melbourne.

LEACH, W. E., 1815. Entomology. pp. 57-172. IN: D. BREWSTER, (ed.), The Edinburgh Encyclopedia. Vol. 9(1). Edinburgh.

LECONTE, J. L., 1852. Remarks upon the *Coccinellidae* of the United States. Proceedings of the Academy of Natural Sciences of Philadelphia, **6**: 129-145.

LECONTE, J. L., 1861. Classification of the Coleoptera of North America. Prepared for the Smithsonian Institution. Part 1. Smithsonian Miscellaneous Collections, **136**: pp. 1-208.

LECONTE, J.L., HORN, G.H., 1883. Classification of the *Coleoptera* of North America. Prepared for the Smithsonian Institution. Smithsonian Miscellaneous Collections, **507**: xxxvii + 567 pp.

LENG, C. W., 1920. Catalogue of the *Coleoptera* of America, North of Mexico. John D. Sherman, Jr., Mount Vernon, New York. 470 pp.

MACLEAY, W. S., 1825. Annulosa Javanica, or an attempt to illustrate the natural affinities and analogies of the Insects collected in Java by Thomas HORSFIELD, M.D., F. L. & G. S. and deposited by him in the museum of the honourable East-India Company. Number 1. Kingsbury, Parbury, and Allen, London. XII + 50 pp. + Pl. 1.

MATTHEWS, A., 1888. Fam. *Corylophidae*, pp. 102-125. IN: GODMAN F., SALVIN O. (eds.), Biologia Centrali Americana. Volume 2, part 1. Dulau, London.

MATTHEWS, A., 1899. A Monograph of the Coleopterous Families *Corylophidae* and *Sphaeriidae*. Janson & Son, London. 220 pp.

McHUGH, J.V., 1993. A revision of *Eurysphindus* LECONTE (*Coleoptera*: *Cucujoidea*: *Sphindidae*) and a review of sphindid classification and phylogeny. Systematic Entomology, **18**: 57-92.

MIYATAKE, M., 1972. A new Formosan species belonging to the genus *Singhikalia* KAPUR, with proposal of a new tribe (*Coleoptera*: *Coccinellidae*). Transactions of the Shikoku Entomological Society, **11**(3): 92-98.

MIYATAKE, M., 1988. A revision of the genus *Monocoryna* GORHAM, with proposal of a new tribe (*Coleoptera*: *Coccinellidae*). Transactions of the Shikoku Entomological Society, **19**(1-2): 25-46.

MULSANT, E., 1846. Histoire Naturelle des Coléoptères de France. Sulcicolles-Sécuripalpes. Maison, Paris., IV. xxiv + 25 pp. + 280 pp. + 1 pl.

MULSANT, E., 1850. Species des Coléoptères Trimères Sécuripalpes. Maison, Paris. XV + 1104 pp. [According to R.D. POPE, in litt., first published in: Annales des Sciences Physiques et Naturelles et de l'Industrie, Lyon (2é Serie) **2**: 1-1104].

MULSANT, E., 1853. Supplement a la monographie des Coléoptères Trimères Sécuripalpes. Annales de la Société linnéenne de Lyon (nouvelle série), 1: 129-333. [also reprinted in: Opuscules Entomologiques. Troisième Cahier. F. Dumoulin, Lyon. 205 pp.].

NEAVE, S. A., 1939-40. Nomenclator Zoologicus. A list of the names of genera and subgenera in zoology from the Tenth Edition of Linnaeus 1758 to the end of 1935. Vols. 1-4 and Supplement. Zoological Society of London, London.

NEWTON, A. F., Jr., THAYER, M. K., 1992. Current classification and family-group names in *Staphyliniformia* (*Coleoptera*). Fieldiana, Zoology (New Series), **67**: 1-92.

OKE, C., 1932. *Aculagnathidae*. A new family of *Coleoptera*. Proceedings of the Royal Society of Victoria (New Series), **44**(Part I.): 22-24 + pl. II.

PAKALUK, J., 1991. Phylogenetic placement of *Phaenocephalus* WOLLASTON (*Coleoptera*: *Phaenocephalidae* & *Phalacridae*). Proceedings of the Entomological Society of Washington, **93**: 317-321.

PAKALUK, J., ŚLIPIŃSKI, S.A., 1990. Review of *Eupsilobiinae* (*Coleoptera*: *Endomychidae*) with descriptions of new genera and species from South America. Revue suisse de Zoologie, **97**(3): 705-728.

PAKALUK, J., ŚLIPIŃSKI, S.A., 1993. A new genus and two new species of Neotropical *Rhizophagidae* (*Coleoptera*) from *Trigona* (*Hymenoptera*) nests, with a review of Rhizophagid biology. The Coleopteritsts' Bulletin, **47**(4): 349-358.

PAL, T. K., LAWRENCE, J. F., 1986. A new genus and subfamily of mycophagous *Bothrideridae* (*Coleoptera*: *Cucujoidea*) from the Indo-Australian Region, with notes on related families. Journal of the Australian Entomological Society, **25**: 185-210.

PANG, X., MAO, J., 1979. Economic insects of China. *Coleoptera*: *Coccinellidae*. II. Beijing, 170 pp., XVI pls. [In Chinese, title translation taken from subsequent citation].

PAULIAN, R., 1950. Les *Corylophidae* d'Afrique. Mémoirs de l'Institut française d'Afrique Noire, **12**: 1-126.

PIC, M., 1914. Pars 58: *Dascillidae*, *Helodidae*, *Eucinetidae*. IN: W. JUNK & S. SCHENKLING, (eds.), Coleopterorum Catalogus. Volume 10. W. Junk, Berlin. 65 pp.

POEY, F., 1854. XXV. Conspectus familiarum Coleopterorum, pp. 302-337. IN: Memorias sobre la historia natural de la Isla de Cuba, acompañadas de sumarios latinos y extractos en frances, por Felipe POEY. Tomo 1. Barcina, Habana.

POPE, R.D., 1962. A review of the *Pharini* (*Coleoptera*: *Coccinellidae*). Annals and Magazine of Natural History, series **13**, 134: 627-640.

REDTENBACHER, L., 1844. Tentamen dispositionis generum et specierum Coleopterorum Pseudotrimerorum Archiducatus Austriae. Zeitschrift für die Entomologie, **5**: 113-132.

REDTENBACHER, L., 1845. Die Gattungen der deutschen Kaefer-Fauna nach der analytischen Methode bearbeitet, nebst einem kurz gefassten Leitfaden, zum Studium dieses Zweiges der Entomologie. C. Ueberreuter, Wien. 10 (not numbered) + 177 + Taf. I, II.

REITTER, E., 1875a. Revision der europäischen *Lathridiidae*. [Stettiner] Entomologische Zeitung, **36**(10-12): 297-340, 410-445.

REITTER, E., 1875b. Revision der europäischen Cryptophagiden. Deutsch Entomologische Zeitschrift, **19**(3): 1-86.

REITTER, E., 1876. Systematische Eintheilung der *Trogositidae* (Familia coleopterorum.). Verhandlungen des Naturforschenden Vereines in Brünn, 14: 3-69 + Pls. I, II.

REITTER, E., 1880. Bestimmungs-Tabellen der europäischen Coleopteren. I. Enthaltend die Familien: *Cucujidae*, *Telmatophilidae*, *Tritomidae*, *Mycetaeidae*, *Endomychidae*, *Lyctidae* und *Sphindidae*. Verhandlungen der zoologisch-botanischen Gesellschaft in Wien, **29**(1879): 71-100.

REITTER, E., 1889. Zwei neue Coleopteren-Gattungen aus Transkaukasien. Wiener Entomologishe Zeitung, **8**(9): 289-292 + Taf. IV.

REITTER, E. 1911., Fauna Germanica. Die Käfer des Deutschen Reiches. Nach der analytischen Methode bearbeitet. III Band. K. G. Lutz, Stuttgart. 436 pp. + Taf. 81-128.

REITTER, E., 1922. Bestimmungs-Tabellen der europaeischen Coleopteren. VI. Heft. Enhaltend die Familien: *Colydiidae*, *Rhysodidae*, *Ostomidae*. Zweite, ganzlich umgearbeitete und auf die palaearktische Fauna ausgedehnte Auflage. E. Reitter, Troppau. 73 pp.

ŘIHA, P., 1989. On the validity of the generic name *Ryzophagus* HERBST, 1793 (*Coleoptera*, *Ryzophagidae*). Entomologica Basiliensia, **13**: 357-359.

SASAJI, H., 1967. A revision of the Formosan *Coccinellidae* (I) the subfamily *Sticholotinae*, with a establishment of a new tribe (*Coleoptera*). Etizenia, **25**: 1-28.

SASAJI, H., 1978. Notes on the Japanese *Endomychidae*, with an establishment of a new subfamily (Coleoptera). Memoirs of the Faculty of Education, Fukui University Series II (Natural Science), **28**(1): 1-31.

SASAJI, H., 1986. Systematic position of the genus *Eidoreus* SHARP (*Coleoptera*: *Clavicornia*), pp. 229-235. IN: Papers on Entomology presented to Prof. Takehiko NAKANE in Commemoration of his Retirement. Japanese Society of the Coleopterology, Tokyo.

SAVOISKAJA, G. I., 1969. O vydelenii novych taksonomiceskich kategorij kokcinellid (*Col.*, *Coccinellidae*). Vestnik selskohozastvennoj nauki Kazahstana, Alma-Ata, **9**: 101-106.

SEIDLITZ, G., 1872. Fauna Baltica. Die Käfer (*Coleoptera*) der Ostseeprovinzen Russlands. Lieferung 1, 2. Dorpater Naturforscher-Gesellschaft, Dorpat. I-XX, 1-48 [Gattungen], 1-208 [Arten], 1 pl.

SEIDLITZ, G., 1888. Fauna Baltica. Die Kaefer (*Coleoptera*) der Deutschen Ostseeprovinzen Russlands. Zweite neu bearbeitete Auflage. 3. Lieferung. Hartungsche Verlagsdruckerei, Königsberg. pp. XLI-XLVIII [Familien] + 49-80 [Gattungen] + 225-336 [Arten].

SEN GUPTA, T., 1967. A new subfamily of *Languriidae* (*Coleoptera*) based on four genera, with a key to species of Toramus. Proceedings of the Royal Entomological Society of London, Series B. Taxonomy, **36**: 167-176.

SEN GUPTA, T., 1968. Revision of the genera of *Cladoxenini* (=*Cladoxeninae* ARROW) and *Thallisellini* trib. nov. of the family *Languriidae* (*Coleoptera*: *Clavicornia*). Journal of Natural History, **2**: 463-475.

SEN GUPTA, T., 1969. On the taxonomy of *Erotylidae* [*Insecta*: *Coleoptera*; *Clavicornia*], with descriptions of two new larvae. Proceedings of the Zoological Society of Calcutta, **22**: 97-107.

SEN GUPTA [as SENGUPTA], T., 1988. Review of the genera of the family *Rhizophagidae* (*Clavicornia*: *Coleoptera*) of the world. Memoirs of the Zoological Survey of India, **17**(1): 1-58, pls. I-XXIV.

SEN GUPTA, T., CROWSON, R. A., 1966. A new family of cucujoid beetles, based on six Australian and one New Zealand genera. Annals and Magazine of Natural History, series **13**, 9: 61-85.

SEN GUPTA, T., CROWSON, R. A., 1969a. Further observations on the family *Boganiidae*, with definition of two new families *Cavognathidae* and *Phloeostichidae*. Journal of Natural History, **3**: 571-590.

SEN GUPTA, T., CROWSON, R. A., 1969b. On a new family of *Clavicornia* (*Coleoptera*), and a new genus of *Languriidae*. Proceedings of the Royal Entomological Society of London, Series B. Taxonomy, **38**: 125-131.

SEN GUPTA, T., CROWSON, R. A., 1971. A review of the classification of the family *Languriidae* (*Coleoptera*: *Clavicornia*) and the place of *Languriidae* in the natural system of *Clavicornia*. Memoirs of the Zoological Survey of India, **15**(2): 1-42.

SEN GUPTA, T., CROWSON, R. A., 1973. A review of the classification of *Cerylonidae* (*Coleoptera*, *Clavicornia*). Transactions of the Royal Entomological Society of London, **124**: 365-446.

SEN GUPTA, T., CROWSON, R. A., 1979. The coleopteran family *Sphindidae*. The Entomologist's Monthly Magazine, **113**: 177-191.

SHARP, D., 1894. *Colydiidae*, pp. 443-488. IN: GODMAN F., SALVIN O. (eds.), Biologia-Centrali Americana. *Insecta*. *Coleoptera*. Volume 2, part 1. Dulau, London.

SHARP, D., 1895. *Colydiidae*, pp. 489-496. IN: GODMAN F., SALVIN O. (eds.), Biologia-Centrali Americana. *Insecta*. *Coleoptera*. Volume 2, part 1. Dulau, London.

SHARP, D., 1899. *Cucujidae*, pp. 499-560. IN: GODMAN F., SALVIN O. (eds.), Biologia-Centrali Americana. *Insecta*. *Coleoptera*. Volume 2, part 1. Dulau, London.

SHARP, D., 1900a. *Monotomidae*, pp. 563-579. IN: GODMAN F., SALVIN O. (eds.), Biologia-Centrali Americana. *Insecta*. *Coleoptera*. Volume 2, part 1. Dulau, London.

SHARP, D., 1900b. *Cryptophagidae*, pp. 579-624. IN: GODMAN F., SALVIN O. (eds.), Biologia-Centrali Americana. *Insecta*. *Coleoptera*. Volume 2, part 1. Dulau, London.

SILFVERBERG, H., 1992. Enumeratio Coleopterorum Fennoscandiae, Daniae et Baltiae. Helsingin Hyönteisvaihtoyhdistys, Helsinki. v + 94 pp.

SILFVERBERG, H., 1994a. Case 2713. *COLYDIIDAE* ERICHSON, 1842 (*Insecta*, *Coleoptera*): proposed precedence over *CERYLONIDAE* BILLBERG, 1820 and *ORTHOCERINI* BLANCHARD, 1845 (1820); and *Cerylon* LATREILLE, 1802: proposed conservation of *Lyctus histeroides* FABRICIUS, 1792 as the type species. Bulletin of Zoological Nomenclature, **51**: 17 20.

SILFVERBERG, H., 1994b. Case 2783. *Cryptophagus* HERBST, 1792, *Dorcatoma* HERBST, 1792, *Rhizophagus* HERBST, 1793 and *Colon* HERBST, 1797 (*Insecta*: *Coleoptera*): proposed conservation as the correct spellings, and proposed conservation of *Lyctus bipustulatus* FABRICIUS, 1792 as the type species of *Rhizophagus*. Bulletin of Zoological Nomenclature, **51**: 21 24.

ŚLIPIŃSKI, S. A., 1990. A monograph of the world *Cerylonidae* (*Coleoptera*; Cucujoidea). Part I - Introduction and higher classification. Annali del Museo Civico di Storia Naturale di Genova, **88**: 1-273.

ŚLIPIŃSKI, S. A., PAKALUK, J., 1992. Problems in the classification of the cerylonid series of *Cucujoidea* (*Coleoptera*), pp. 79-88. IN: M. ZUNINO, X. BELLÉS, M. Blas, (eds.), Advances in Coleopterology. European Association of Coleopterology, Barcelona.

ŚLIPIŃSKI, S. A., PAL, T. K., 1985. *Sysolini* - new tribe of *Bothriderinae* (*Coleoptera, Colydiidae*), with a description of a new species of *Sysolus* from Viet-Nam. Polskie Pismo Entomologiczne, **55**: 39-44.

SPRINGER, C.A, GOODRICH, M.A., 1994. A revision of the subfamily *Platydascillinae* (*Coleoptera*: *Byturidae*) from Southeast Asia, with descriptions of two new genera and three new species. The Coleopterists Bulletin, **48**(1): 60-78.

STEIN, J. P. E. F., WEISE, J., 1877. Catalogi Coleopterorum Europae. Editio Secunda. Libraria Nicolai, Berolini. 2 + 209 pp.

STROHECKER, H. F., 1962. Key to the Genera of the United States (*Endomychidae*), p. 801. IN: R. H. ARNETT, The Beetles of the United States (A Manual for Identification). Part V. Suborder *Polyphaga* (cont.). Series *Cucujiformia* (cont.). *Tenebrionoidea. Cucujoidea.* Catholic University of America Press, Washington.

STROHECKER, H. F., 1964. A synopsis of the *Amphisternini* (*Coleoptera*: *Endomychidae*). Pacific Insects, **6**(2): 319-357.

STROHECKER, H. F., 1986. A Catalog of the Coleoptera of America North of Mexico. Family: *Endomychidae*. United States Department of Agriculture, Washington D.C., viii + 19 pp.

THOMAS, M. C., 1984. A new species of apterous *Telephanus* (*Coleoptera*: *Silvanidae*) with a discussion of phylogenetic relationships of the *Silvanidae*. The Coleopterists Bulletin, **38**: 43-55.

THOMSON, C. G., 1859. Skandinaviens *Coleoptera*, Synoptiskt Bearbetade. I. Tom. Berlingska Boktryckeriet, Lund. 5 + 290 pp.

THOMSON, C. G., 1863. Skandinaviens *Coleoptera*, Synoptiskt Bearbetade. Tom. V. Lundbergska Boktryckeriet, Lund. 340 pp.

THOMSON, C., G. 1866. Skandinaviens *Coleoptera*, Synoptiskt Bearbetade. Tom. VIII. Lundbergska Boktryckeriet, Lund. 409 pp. + LXXV.

VOGT, H., 1967. 53. Familie: *Cucujidae*, pp. 83-104. IN: H. FREUDE, K. W. HARDE, G. A. LOHSE, (eds.), Die Käfer Mitteleuropas. Band 7. *Clavicornia*. Goecke and Evers, Krefeld.

WEISE, J., 1885. Bestimmungs-Tabellen der europäischen Coleopteren. II. Heft. *Coccinellidae*. II. Auflage. Mit Berücksichtigung der Arten aus dem nördlichen Asien. E. Reitter Verlag, Mödling. 83 pp.

WEISE, J., 1887. Feststellung der Gattung *Coelopterus* MULS. Deutsche Entomologische Zeitschrift, **31**: 183-185.

WEISE, J., 1901. Coccinelliden aus Ceylon gesammelt von Dr. HORN. Deutsche Entomologische Zeitschrift, **44** (1900): 417-445.

WIEDEMANN, C. K. W., 1823. Zweihundert neue Käfer von Java, Bengalen und dem Borgebirge der guten Hoffnung. Zoologisches Magazin herausgegeben von Dr. C.K.W. WIEDEMANN, **2**(1): 3-132.

YABLOKOF-KHNZORIAN, S. M., 1966. Two new species of *Coleoptera* from the Armenian Republic (*Insecta, Coleoptera*). Doklady Akademii Nauk Armenyan SSR, **42**: 309-314 [In Russian].

INDEX

This index includes all family-group names and type genera listed in the catalog section; valid family group names are in uppercase.